User Manual

AirStation Nfiniti Wireless USB Adapter

WLI-UC-G300N / WLI-UC-G300N-V1
WLI-UC-AG300N

www.buffalotech.com

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Chapter 1
Product Overview

Features

With support for current Wireless-N, Wireless-A, Wireless-G, and Wireless-B standards, the AirStation can transfer data to and from all standard 2.4 GHz wireless network devices. (Wireless-A is not supported in WLI-UC-G300N.)

AOSS (AirStation One-touch Secure System) and WPS (Wi-Fi Protected Setup) make connection with wireless devices easier.

AirStation is equipped with following security features.

- WPA-PSK (TKIP/AES)
- WPA2-PSK (TKIP/AES)
- WEP (128/64bit)

300 Mbps High Speed Mode

300 Mbps is the link speed when using 2 channel Wireless-N mode. It represents actual wireless data speeds, including overhead. Because the overhead is not available for user data transfer, usable wireless throughput will be substantially slower.

System Requirements

Computer should be IBM/PC compatible (OADG specification) with a USB 2.0 port and a CD-ROM drive.*

*This product does not support computers equipped with dual processors (computers with two physical CPUs). Computers with Dual core CPU's are supported.

*AirStation does not support Windows Vista (32 bit) Standby mode.

Compatible OS

Windows Vista (32bit)/XP/2000

*Service Pack 2 or later is required for Windows XP.

*Service Pack 4 and Internet Explorer 5.5 or later are required for Windows 2000.

Package Contents

The following items are included with your AirStation. If any of the items are missing, please contact your vender.

- Main unit 1
- USB cable 1
- Air Navigator CD 1
- Quick Setup Guide 1

Hardware Overview

ACT LED (Blue)

Flashes when sending/receiving data.

Chapter 2
Installation

Installing Wireless Drivers

Follow the instruction below to install drivers. Do not connect the unit to your computer yet.

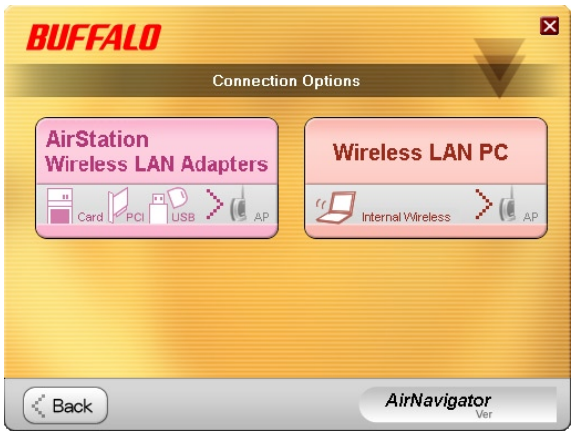
1 Boot your computer and insert AirNavigator CD. The AirNavigator Setup Wizard will launch automatically.

Note: If the AirNavigator Setup Wizard doesn't launch, double click "*My Computer*" > CD-ROM drive icon > "*AirNavi.exe*" to launch manually.

2

Click "*Begin Installation*".

3



Click "*AirStation Wireless LAN Adapters*".

4

BUFFALO
Turn Off Your Firewall
AOSS will not work when firewall software is enabled.
Disable your firewall software for the installation. The firewall can be re-enabled once you have completed the installation and connected to a network.
Back
Next
AirNavigator

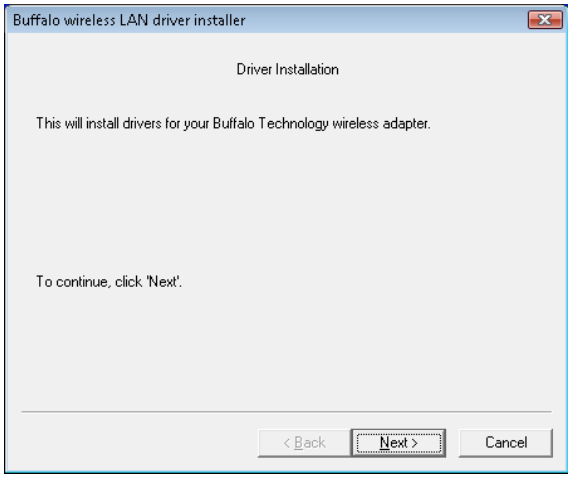
Disable any firewalls, and click "*Next*".

5

Click "*Install*".

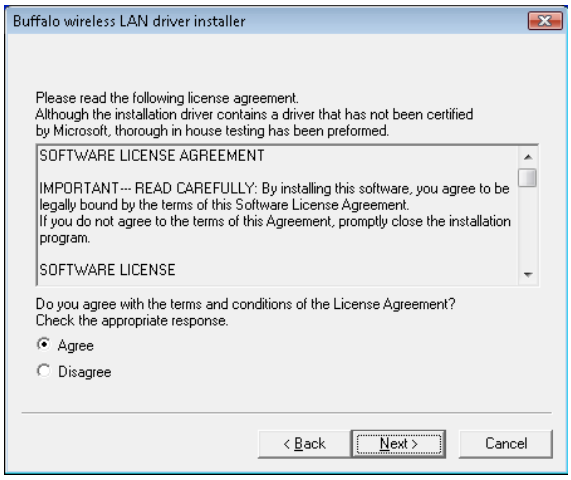
Note:
- If you insert the check mark into the check box for Install Wireless Client Manager, you can install Client Manager as well as drivers.
- Refer to the instructions on page 10 to install Client Manager after installing drivers.

6


Buffalo wireless LAN driver installer
Driver Installation
This will install drivers for your Buffalo Technology wireless adapter.
To continue, click 'Next'.
< Back
Next >
Cancel

Click "*Next*".

7


Buffalo wireless LAN driver installer
Please read the following license agreement.
Although the installation driver contains a driver that has not been certified by Microsoft, thorough in house testing has been preformed.
SOFTWARE LICENSE AGREEMENT
IMPORTANT--- READ CAREFULLY: By installing this software, you agree to be legally bound by the terms of this Software License Agreement.
If you do not agree to the terms of this Agreement, promptly close the installation program.
SOFTWARE LICENSE
Do you agree with the terms and conditions of the License Agreement?
Check the appropriate response.
Agree
Disagree
< Back
Next >
Cancel

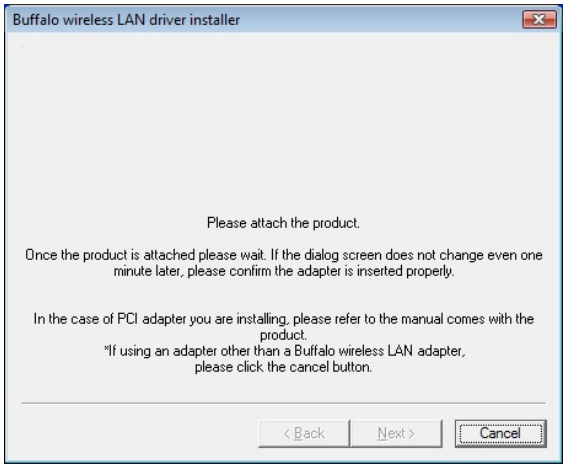
Read the license agreement, select "*Agree*", then click "*Next*".

8

Windows Security
Would you like to install this device software?
Name: BUFFALO INC. Network adapters
Publisher: BUFFALO INC.
Always trust software from "BUFFALO INC.".
Install
Don't Install
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

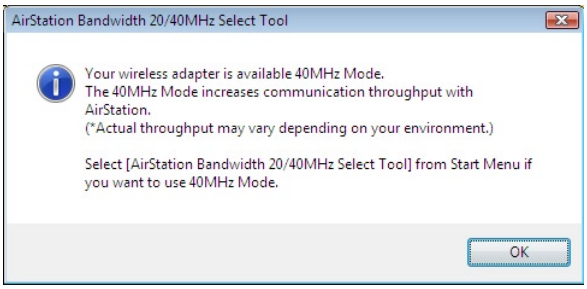
When the screen to the left is displayed, put a check mark next to *Always trust software from "BUFFALO INC.*", and click "*Install*".

9


Buffalo wireless LAN driver installer
Please attach the product.
Once the product is attached please wait. If the dialog screen does not change even one minute later, please confirm the adapter is inserted properly.
In the case of PCI adapter you are installing, please refer to the manual comes with the product.
*If using an adapter other than a Buffalo wireless LAN adapter, please click the cancel button.
< Back
Next >
Cancel

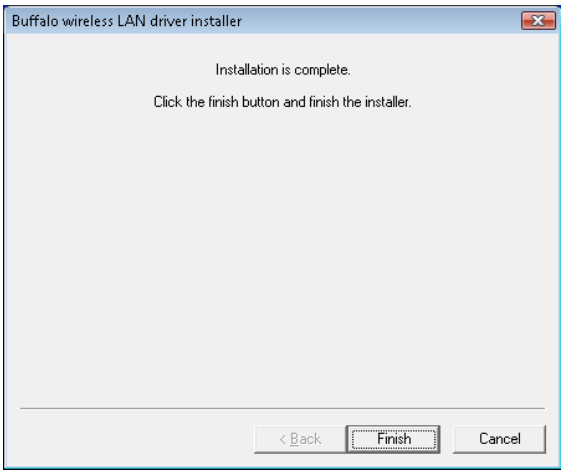
When the screen to the left is displayed, attach the AirStation to your computer. Drivers will be installed automatically.

10


AirStation Bandwidth 20/40MHz Select Tool
Your wireless adapter is available 40MHz Mode.
The 40MHz Mode increases communication throughput with AirStation.
(*Actual throughput may vary depending on your environment.)
Select [AirStation Bandwidth 20/40MHz Select Tool] from Start Menu if you want to use 40MHz Mode.
OK

Click "*OK*".

11



After the drivers are installed, the screen at left will be displayed. Click "*Finish*".

Note: If you checked the box to Install Wireless Client Manager (page 7), then the installation screen for Client Manager will be displayed after this screen. Follow the instructions on the screen to install Client Manager.

Drivers are now installed.

Installing Utility

Follow the procedure below to install *Client Manager*.

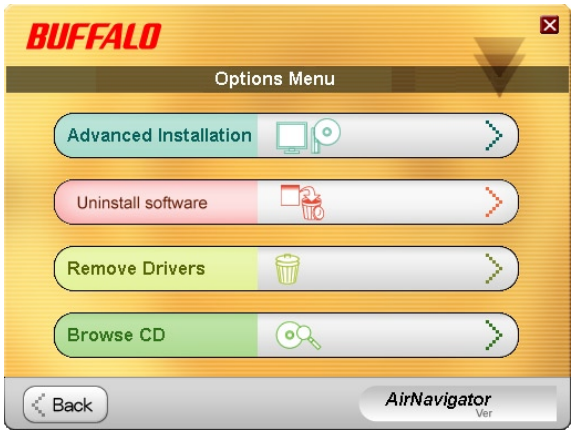
1 Boot your computer and insert the AirNavigator CD. The AirNavigator Setup Wizard will launch automatically.

Note: If AirNavigator Setup Wizard is not displayed, double click "*My Computer*" icon > CD-ROM drive icon > "*AirNavi.exe*".

2

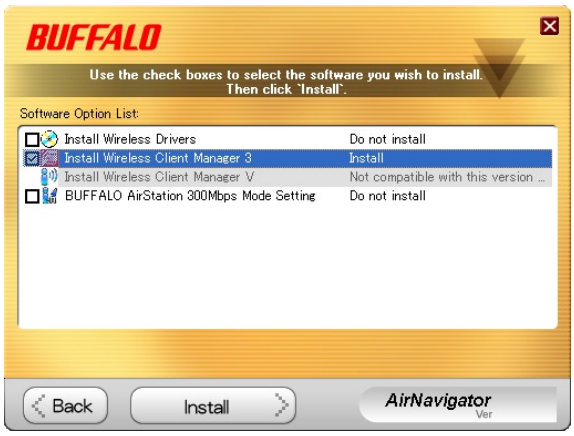
Click "*Options*".

3



Click "*Advanced Installation*".

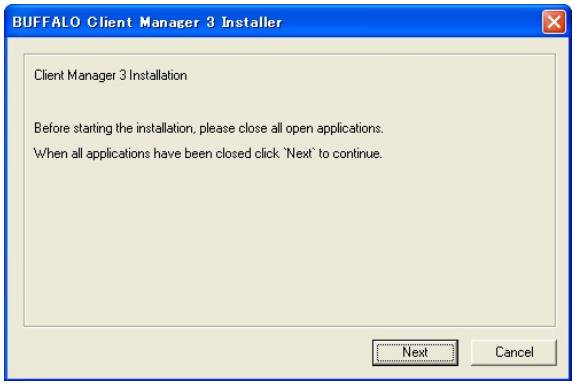
4



Check the box for "*Install Wireless Client Manager*" and click "*Install*".

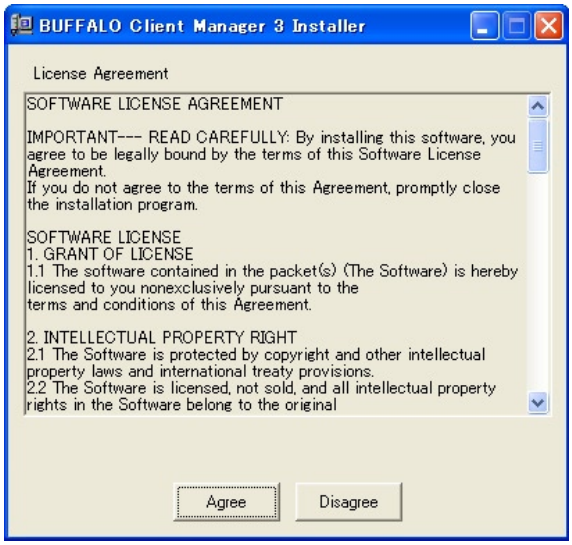
Note: Use Client Manager V with Windows Vista or Client Manager 3 with Windows XP/2000.

5


BUFFALO Client Manager 3 Installer
Client Manager 3 Installation
Before starting the installation, please close all open applications.
When all applications have been closed click "Next" to continue.
Next
Cancel

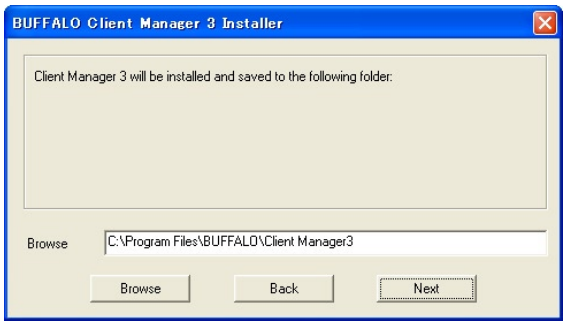
Click "*Next*".

6


BUFFALO Client Manager 3 Installer
License Agreement
SOFTWARE LICENSE AGREEMENT
IMPORTANT--- READ CAREFULLY: By installing this software, you agree to be legally bound by the terms of this Software License Agreement.
If you do not agree to the terms of this Agreement, promptly close the installation program.
SOFTWARE LICENSE
1. GRANT OF LICENSE
1.1 The software contained in the packet(s) (The Software) is hereby licensed to you nonexclusively pursuant to the terms and conditions of this Agreement.
2. INTELLECTUAL PROPERTY RIGHT
2.1 The Software is protected by copyright and other intellectual property laws and international treaty provisions.
2.2 The Software is licensed, not sold, and all intellectual property rights in the Software belong to the original
Agree
Disagree

Read the license agreement and select "*Agree*".

7



Click "*Next*".

8

Click "*OK*".

9

Click "*Back*".

10

Click "*X*" at the top right corner of the window to close it.

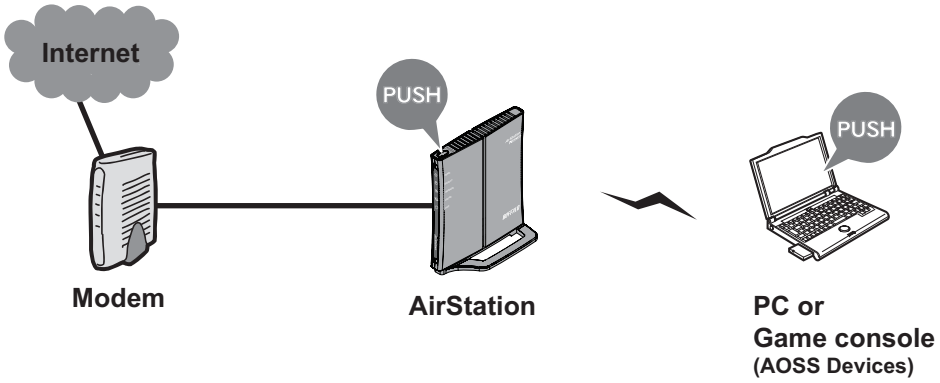
Client Manager is now installed.

Chapter 3
Connect to a Wireless Network

Automatic Secure Setup (AOSS/WPS (PBC))

AOSS and WPS are systems which enables you to automatically configure wireless LAN settings. Just pressing the buttons will connect wireless devices and complete security settings. Utilize this system to connect to wireless devices, computers, or game machines which support AOSS or WPS.

AOSS (AirStation One-Touch Secure System) is technology developed by BUFFALO. WPS was created by the Wi-Fi Alliance.



You need to have Client Manager V and Client Manager 3 installed from the CD attached to this unit in advance to connect using AOSS/WPS (PBC). (page 10)

Windows Vista (Client Manager V)

If you are using Windows Vista, use the included Client Manager V software to connect wirelessly with AOSS/WPS(PBC).

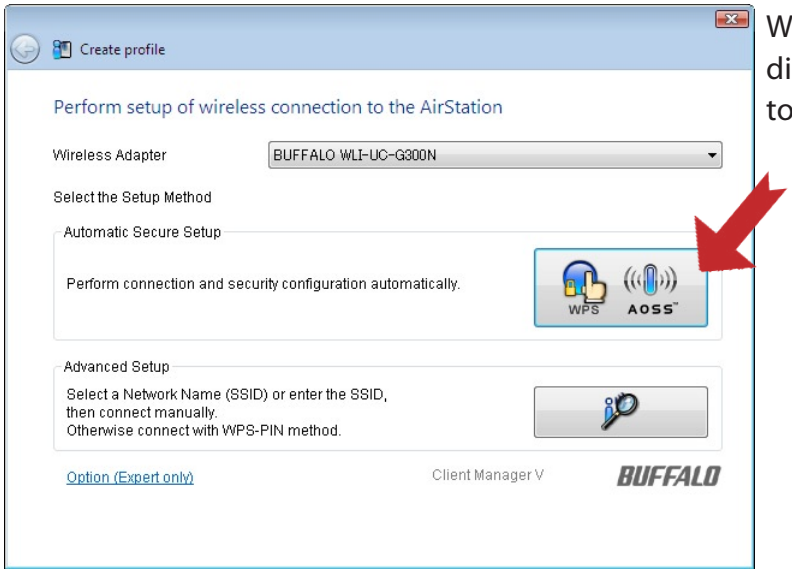
1 Click the icon in the system tray.

2

When the screen at left is displayed, click "*Create Profile*".

3 When the message "*A Program needs your permission to continue*" appears, click "*Continue*".

4



When the screen shown at left is displayed, click the "*WPS AOSS*" button.

Follow the instructions displayed on the screen.
After you configured and if the message "*Connection has been Completed*" is displayed on Client Manager V, then you have completed the connection by AOSS/WPS (PBC).
(If "*Set Network Location*" screen is displayed, select "*Home*", "*Work*", or "*Public location*" depending on the environment in which the AirStation will be used.

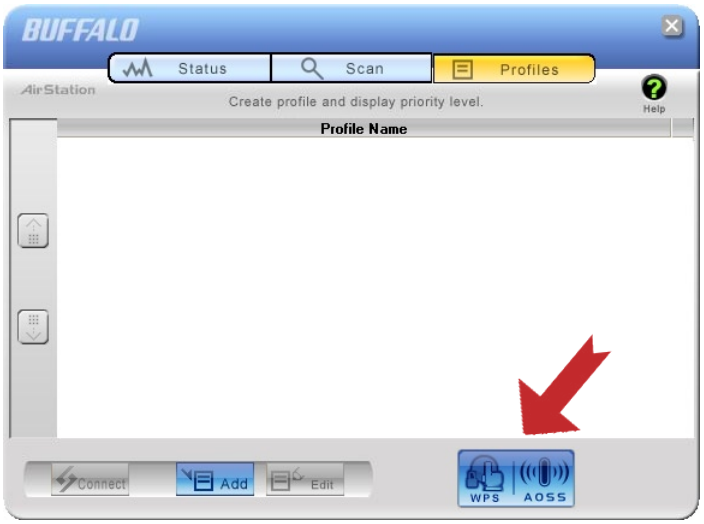
Windows XP/2000 (Client Manager 3)

If you are using Windows XP, use the included Client Manager 3 software to connect wirelessly with AOSS/WPS.

Note: Windows 2000 does not support wireless connection using WPS (PBC). (It uses AOSS wireless connection instead).

1 Right click on the icon in the system tray, and select "*Profile*".

2



When the screen shown at left is displayed, click "*WPS AOSS*" button.

Follow the instructions displayed on the screen.
You have completed the AOSS/WPS (PBC) connection when the message "*Security setup and connection have been Completed*" is displayed in Client Manager V.

Automatic Secure Setup (WPS (PIN))

WPS (Personal Identification Number) uses the mechanism which register the unique number generated by the utility program (Client Manager) included with this product to an access point and connect wirelessly.Use this feature when connecting to an access point which supports WPS (PIN).

You need to have Client Manager V and Client Manager 3 installed from the CD attached to this unit in advance in order to connect wirelessly using WPS (PIN). (page 10)

Windows Vista (Client Manager V)

If you are using Windows Vista, use Client Manager which comes with this package and follow the procedure below to connect wirelessly with WPS (PIN).

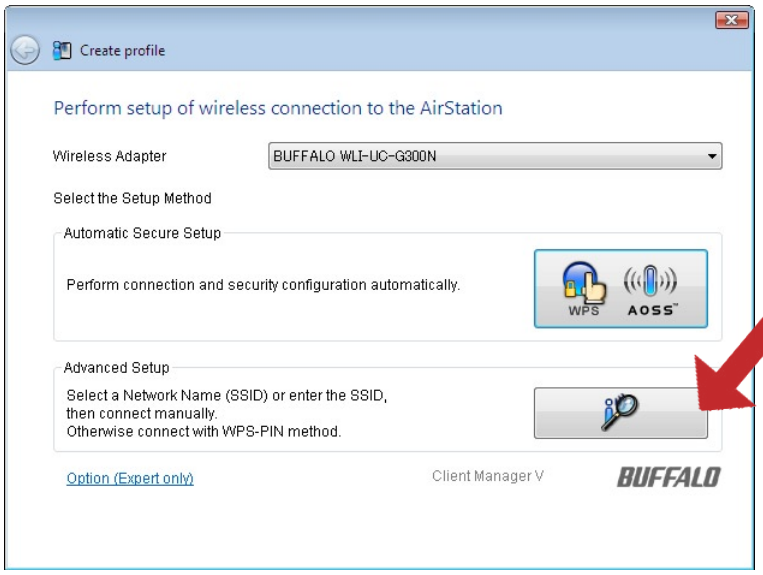
1 Click the icon displayed in the system tray.

2

When the screen on the left is displayed, click "*Create Profile*" button.

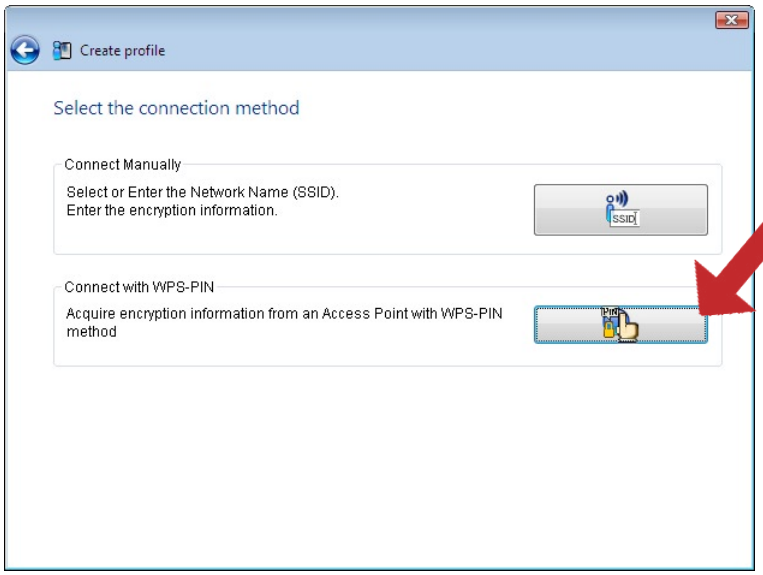
3 When the message "*A Program needs your permission to continue*", click "*Continue*".

4



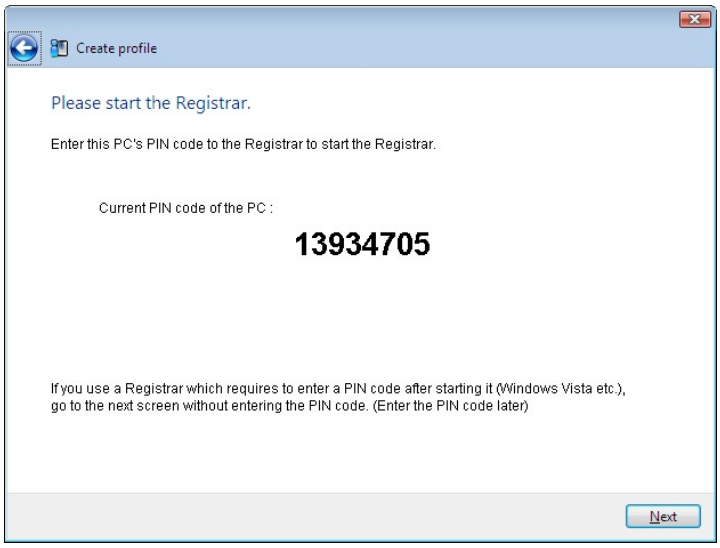
When the screen which looks like the illustration on the left displayed, click "*Advanced Setup*" button.

5



When the screen which looks like the illustration on the left displayed, click "*WPS-PIN*" button.

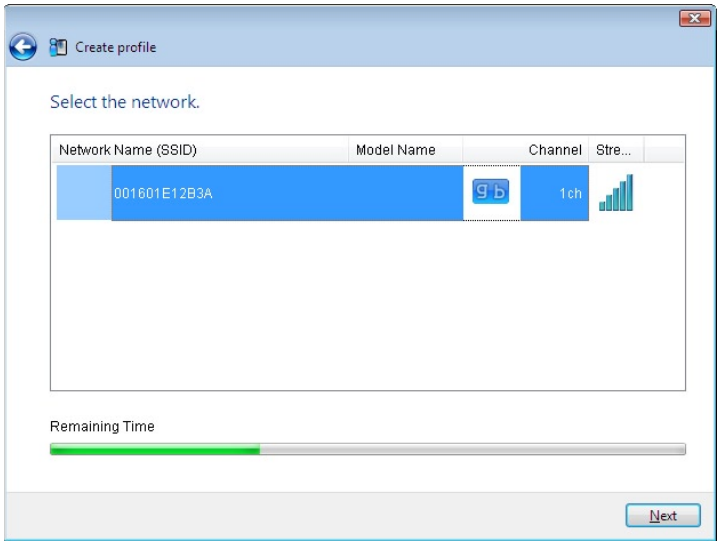
6


Create profile
Please start the Registrar.
Enter this PC's PIN code to the Registrar to start the Registrar.
Current PIN code of the PC :
13934705
If you use a Registrar which requires to enter a PIN code after starting it (Windows Vista etc.), go to the next screen without entering the PIN code. (Enter the PIN code later)
Next

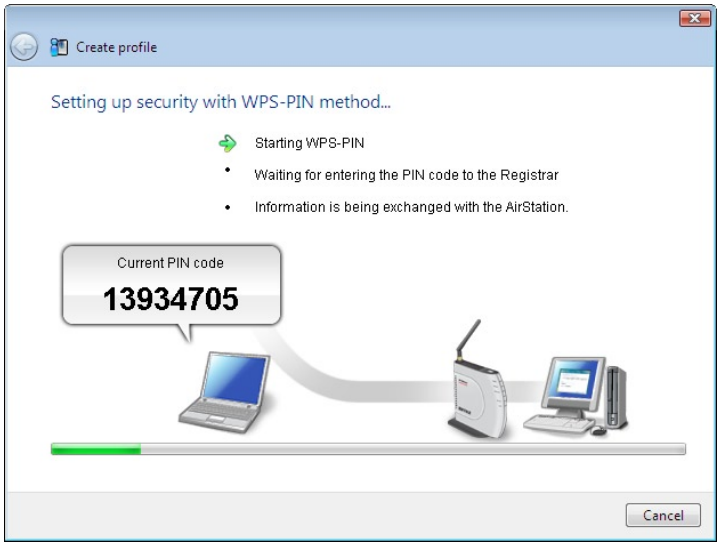
When the PIN code is displayed, write it down.

After you write the PIN code down on a piece of paper, click "*Next*".

7



Select the access point you are going to connect, and click "*Next*".



This screen will be displayed.

8 Use an administrative computer which is connected to an access point with a wire in order to login to that access point. The screen to enter the PIN code will be displayed.

Note: If the access point you are trying to connect is the AirStation, click "*Wireless Config*" > "*WPS*" on the TOP of the configuration screen. The screen to enter the PIN code will be displayed.

9

On the configuration screen of the access point, enter the PIN code you write down in step 6.

Note: If the access point you are trying to connect is the AirStation, enter the PIN code in "*Enrollee PIN*" and click "*OK*".

Follow the instructions displayed on the screen to configure.
You have completed the connection with WPS (PIN) after you configured and when the message "*Connection has been Completed*" is displayed in Client Manager V.
(If "*Set Network Location*" screen is displayed, select "*Home*", "*Work*", or "*Public location*" depending on the environment in which the AirStation will be used.)

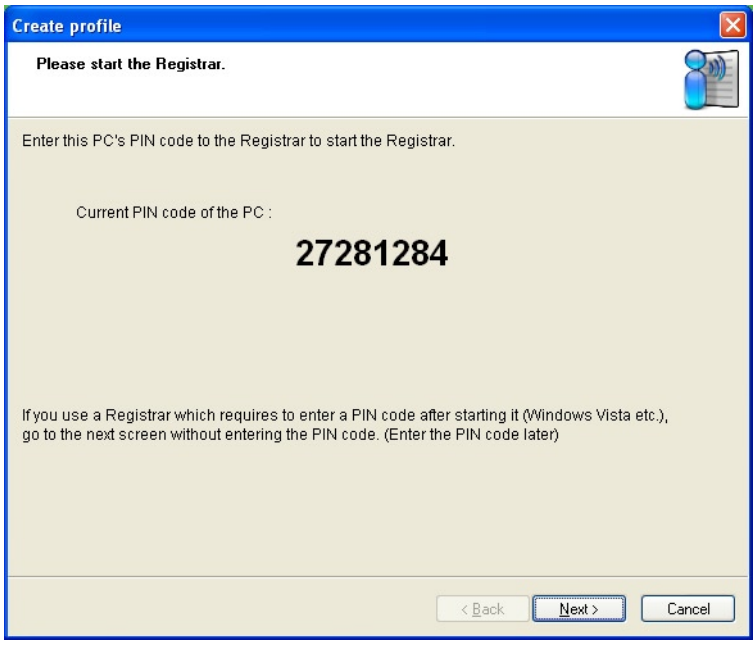
Windows XP (Client Manager 3)

If you are using Windows XP, use Client Manager 3 which comes with this package and follow the procedure below to connect wirelessly with WPS (PIN).

Note: Windows 2000 does not support WPS (PIN).

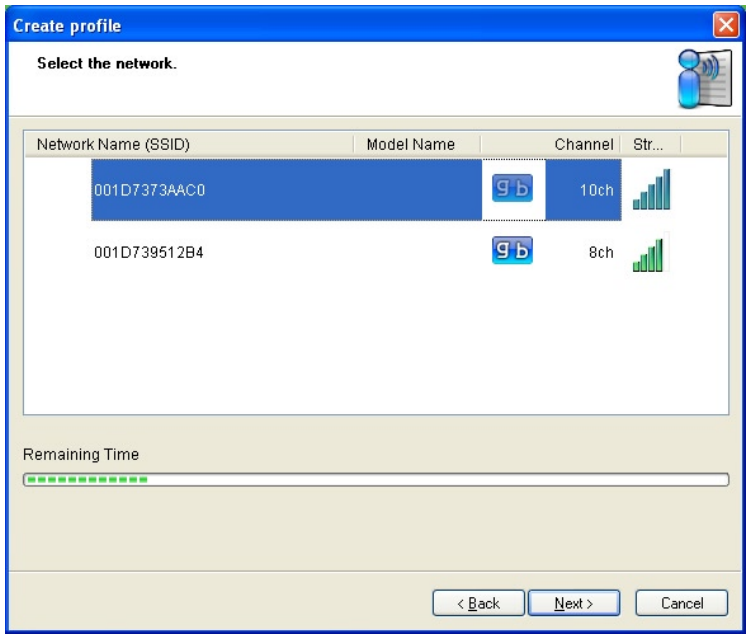
1 Right click on the icon displayed in the system tray, and select "*Easy Connection*" > "*WPS PIN Code type*".

2

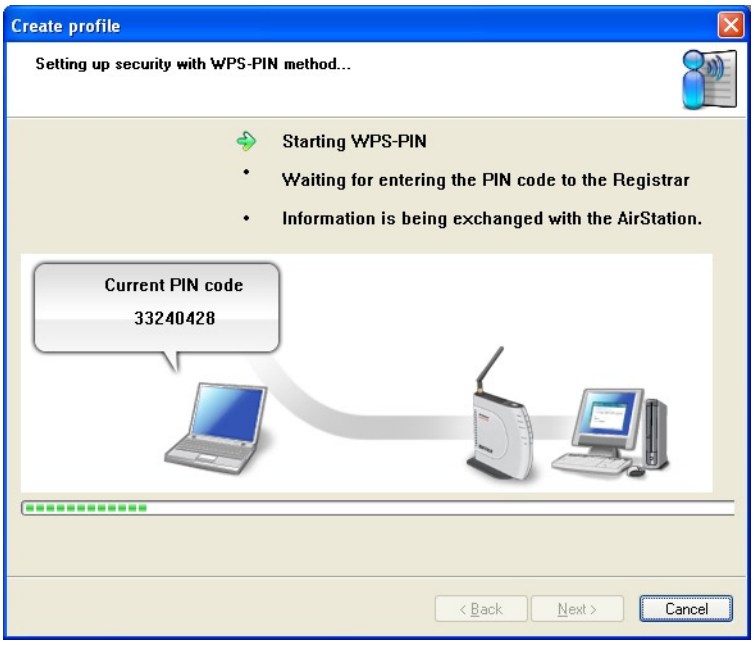

Create profile
Please start the Registrar.
Enter this PC's PIN code to the Registrar to start the Registrar.
Current PIN code of the PC :
27281284
If you use a Registrar which requires to enter a PIN code after starting it (Windows Vista etc.), go to the next screen without entering the PIN code. (Enter the PIN code later)
< Back
Next >
Cancel

When the PIN code is displayed, write it down. Then, click "Next".

3



Select the access point you are going to connect, and click "Next".



This screen will be displayed.

4 Use a computer with a wired Ethernet connection to log in to the access point. The screen to enter the PIN code will be displayed.

Note: If the access point you are trying to connect is a Buffalo AirStation, click "*Wireless Config*" > "*WPS*" on the TOP of the configuration screen. The screen to enter the PIN code will be displayed.

5

On the configuration screen of the access point, enter the PIN code you wrote down in step 2.

Note: If the access point you are trying to connect is a Buffalo AirStation, enter the PIN code in "*Enrollee PIN*" and click "*OK*."

Follow the instructions displayed on the screen to configure. When "Connection has been completed" is displayed, you are connected.

Manual Setup (Client Manager)

You may also connect to an Access point manually, without using AOSS/WPS. The procedure varies depending on the version of Windows used.

First, install Client Manager from the included CD. (page 10)

Windows Vista (Client Manager V)

With Windows Vista, use Client Manager V to connect wirelessly.

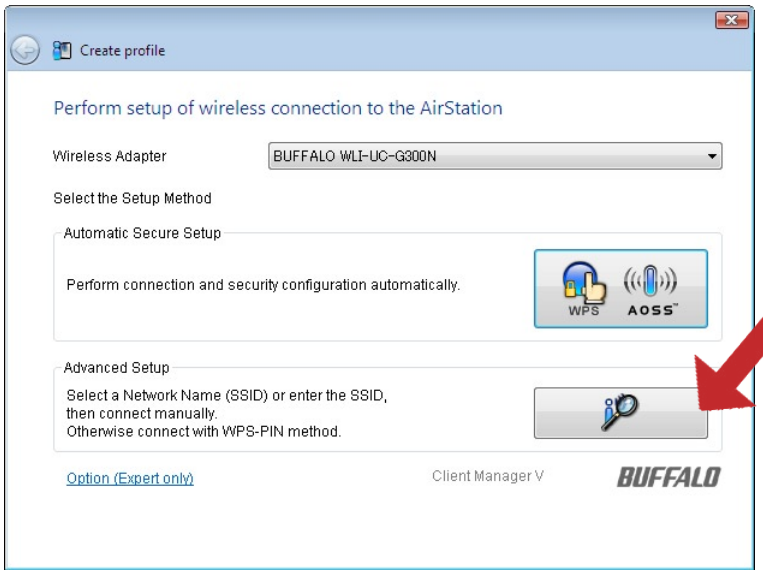
1 Click the icon . is displayed in the system tray.

2

When this screen is displayed, click "*Create Profile.*"

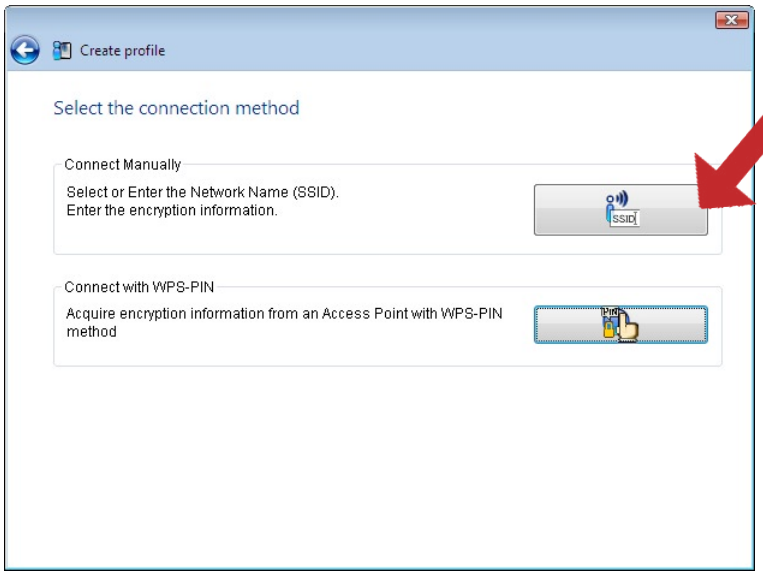
3 When the message "*A Program needs your permission to continue*", click "*Continue*".

4



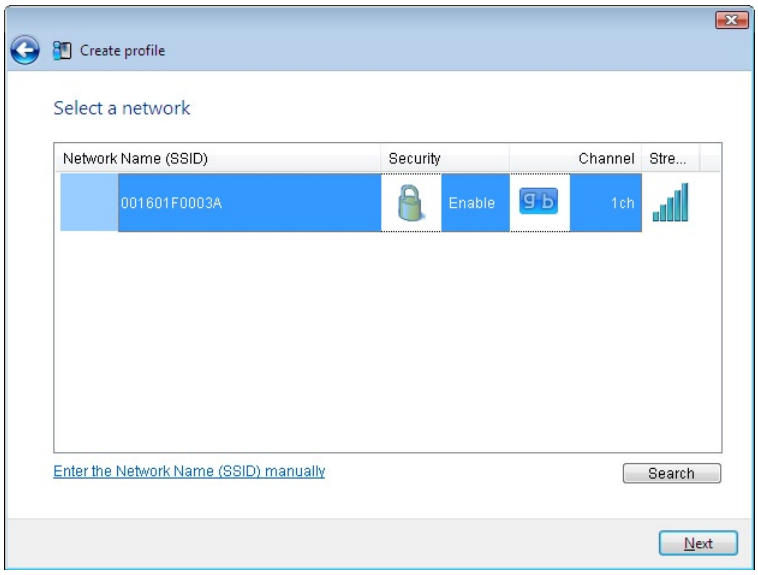
Click "*Advanced Setup.*"

5



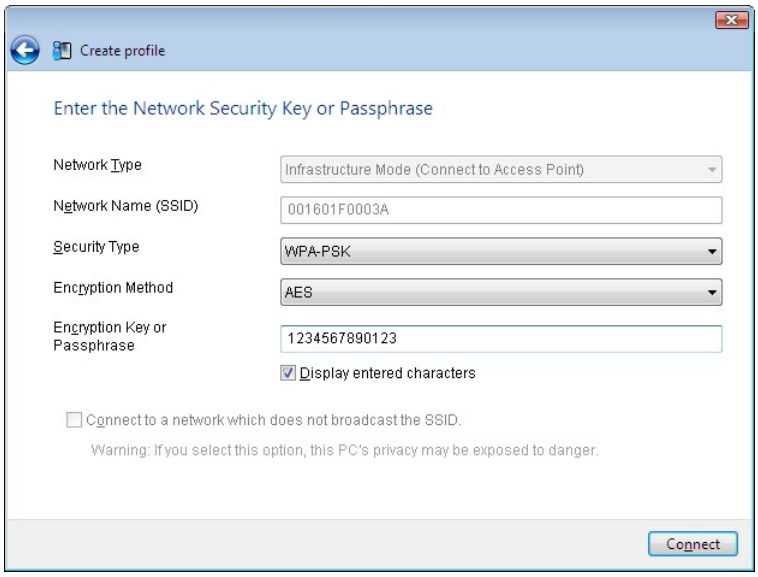
Click "*Connect Manually.*"

6



Select your access point, and click "*Next*".

7



Enter your "*Encryption Key*" (passphrase) and click "*Connect*."

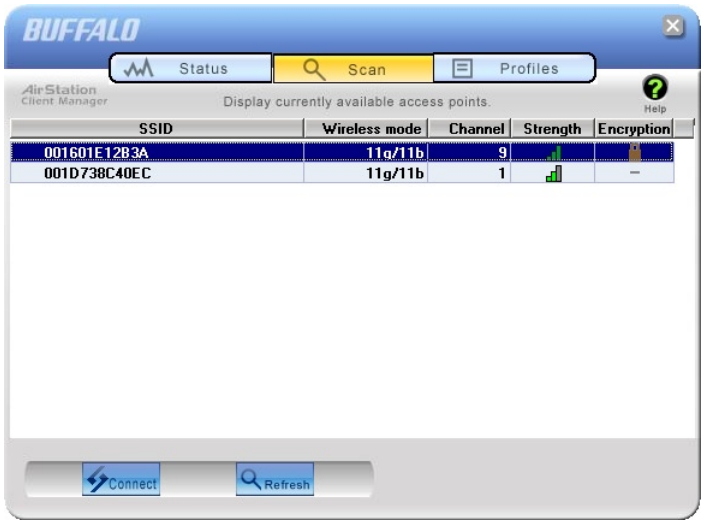
Follow the instructions in the wizard to connect. When "*Connection Complete*" is displayed, setup is completed. If "*Set Network Location*" is displayed, then select "Home", "*Work*", or "*Public location*" depending on the environment in which the AirStation will be used.

Windows XP/2000 (Client Manager 3)

Client Manager 3 is a wireless connection utility for Windows XP/2000.

1 Right click on the icon in the system tray, and select "*Scan*".

2



Select the access point that you are going to connect to and click "*Next*".

3

Choose your "*Encryption Method*" and enter an "*Encryption Key*". Click "*Connect*".

Follow the instructions on the screen to connect.

Manual Setup (Windows Utility)

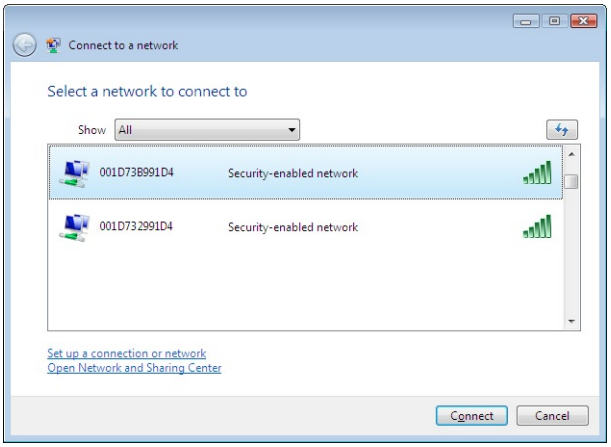
You can connect to an access point without installing or using Client Manager. Windows includes a built-in wireless utility. The procedure varies depending on the version of Windows used.

Windows Vista (WLAN AutoConfig)

You can use WLAN AutoConfig to connect to a wireless Access Point:

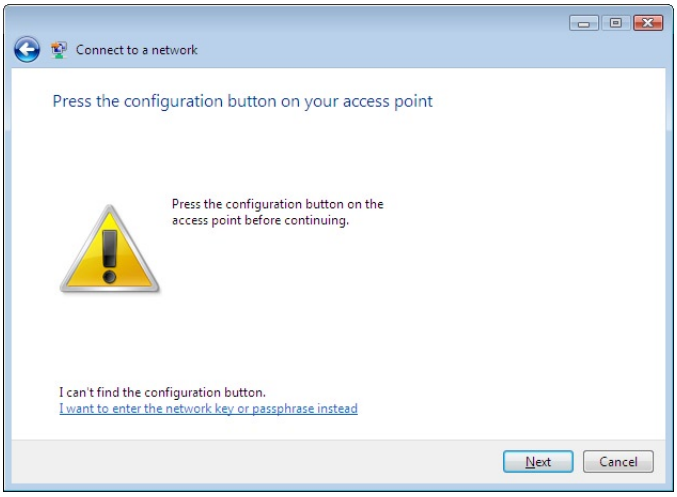
1 Right click on the wireless network icon in the system tray.

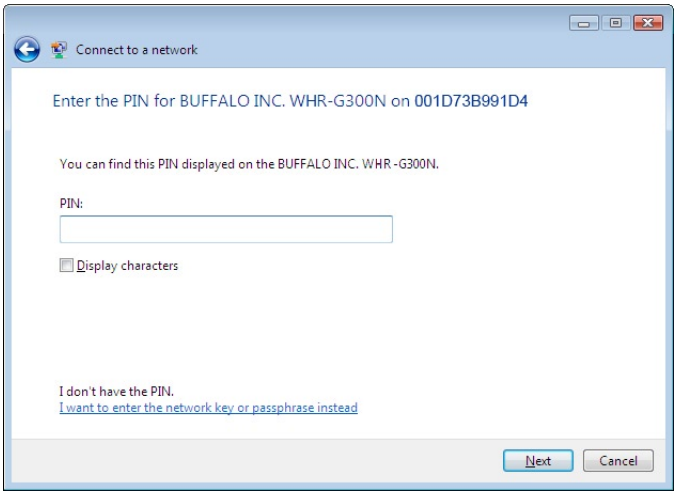
2 Click "*Connect to a network*".

3 

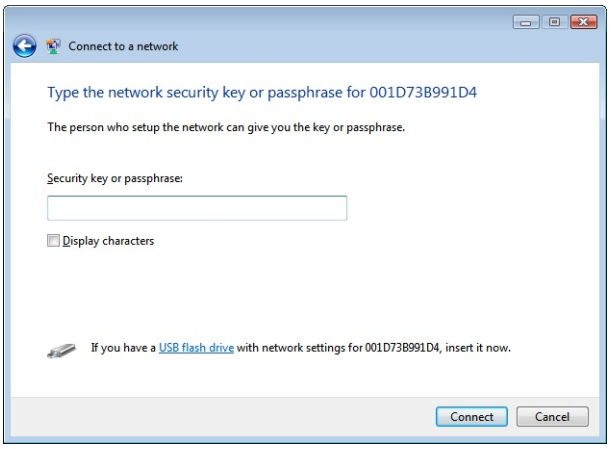
Select your wireless network and click "*Connect*".

If the screen below is displayed, click "I want to enter the network key or passphrase instead". (Otherwise, go to step 4)


Connect to a network
Press the configuration button on your access point
Press the configuration button on the access point before continuing.
I can't find the configuration button.
I want to enter the network key or passphrase instead
Next
Cancel


Connect to a network
Enter the PIN for BUFFALO INC. WHR-G300N on 001D73B991D4
You can find this PIN displayed on the BUFFALO INC. WHR-G300N.
PIN:
Display characters
I don't have the PIN.
I want to enter the network key or passphrase instead
Next
Cancel

4


Connect to a network
Type the network security key or passphrase for 001D73B991D4
The person who setup the network can give you the key or passphrase.
Security key or passphrase:
Display characters
If you have a USB flash drive with network settings for 001D73B991D4, insert it now.
Connect
Cancel

Enter the encryption key and click "*Connect*".

Follow the instructions displayed on the screen to finish configuration. If the "*Set Network Location*" screen is displayed, select "*Home*", "*Work*", or "*Public location*" depending where you're using the AirStation.

Windows XP (Wireless Zero Configuration)

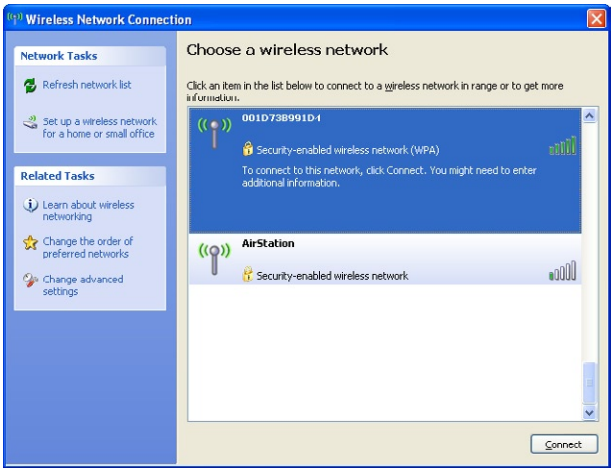
Windows XP includes a built-in utility to connect to your wireless Access Point.

Note: If Client Manager 3 is installed on your computer, then Wireless Zero Configuration is disabled. Uninstall Client Manager 3 to use Wireless Zero Configuration, or just use Client Manager 3 to connect to the AirStation.

1 Right click on the wireless network icon in the system tray.

2 Click "*View Available Wireless Networks*".

3


Wireless Network Connection
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
001D73B991D4
Security-enabled wireless network (WPA)
To connect to this network, click Connect. You might need to enter additional information.
AirStation
Security-enabled wireless network
Connect

Select a wireless network to connect to and click "*Connect*".

4

Wireless Network Connection
The network '001D73B991D4' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network.
Type the key, and then click Connect.
Network key:
Confirm network key:
Connect
Cancel

Enter the encryption key (passphrase) and click "*Connect*".

Follow the instructions on the screen to connect.

Chapter 4
Client Manager

Software Overview

Client Manager is utility software used to connect to an access point on the network or to verify the connection between an access point and your computer. It is included with this device.

Note: There are two versions of Client Manager with this unit, "V" and "3".
Client Manager V supports Windows Vista.
Client Manager 3 supports Windows XP/2000.

Using Client Manager V for Windows Vista

Opening and Closing Client Manager

- When you install Client Manager, it will be added to your Startup folder and will automatically launch with Windows. If Client Manager does not launch automatically, click "*Start*" > "*All Programs*" > "*BUFFALO*" > "*AirStation Utility*" > "*ClientManagerV*" .
- Right click on the icon of Client Manager in the system tray and click "*Exit*" to close Client Manager. The appearance of Client Manager according to its connection status:

No wireless connection.

Communicating via an access point.

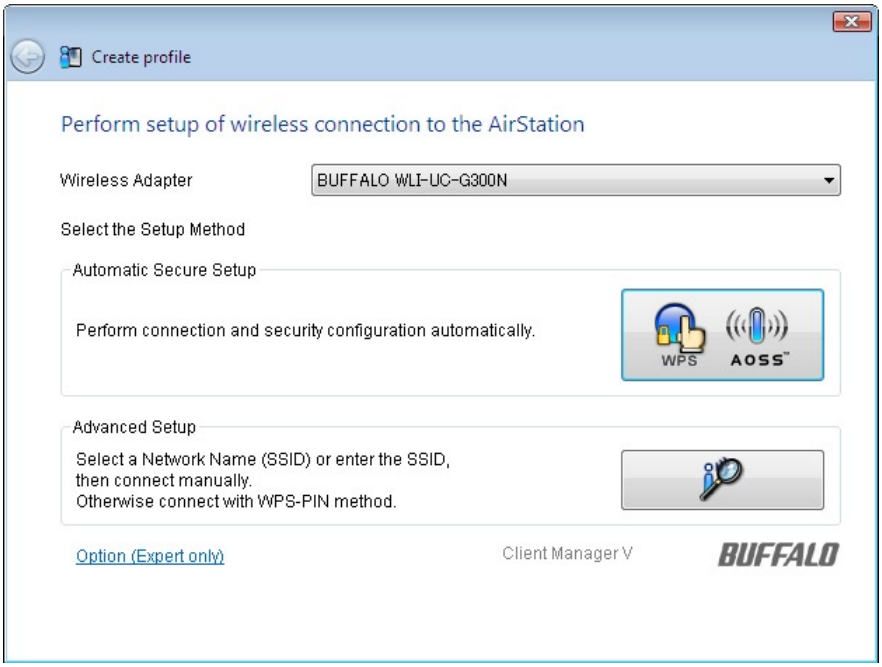
Main Screen

The Main screen displays the current connection status. You can perform the following operations from this screen.

Parameter	Meaning
Profile	Displays information about the current connection points. If you have multiple connection points, you can switch among them.
Transmission Speed	Displays the current connection speed.
Signal Strength	Displays the current signal strength.
Create Profile	Click this to display the Automatic Secure Setup and Advanced Setup screen (page 32).
Advanced	Click this to display the Wireless Status screen.

Automatic Secure Setup and Advanced Setup

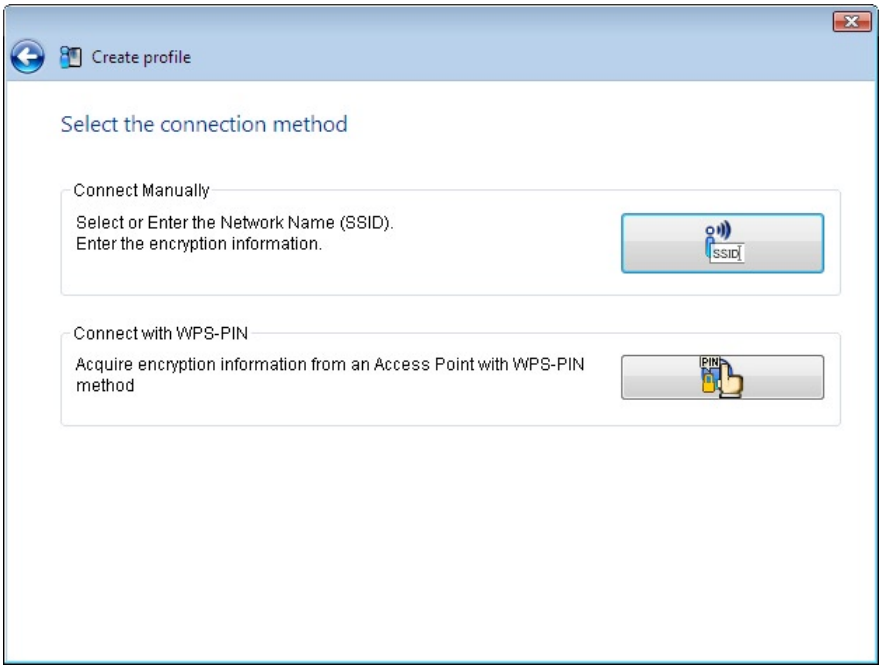
There are two ways to connect to an access point: automatic or manual. In the following wizard, automatic setup will be reffered to as "AOSS/WPS" and manual setup will be referred to as "Advanced Setup".



Parameter	Meaning
Wireless Adapter	Displays names of currently used wireless devices.
Automatic Secure Setup	Clicking this will search for an AOSS or WPS compatable access point to connect to automatically.
Advanced Setup	Click this to configure your wireless settings manually. It will display the SSID/WPS-PIN selection screen (page 33).
Option (Expert only)	Click this to specify whether you use AOSS or WPS (PBC) for connection in Automatic Secure Setup. It displays the WPS-PBC/ AOSS selection screen (page 36).

SSID / WPS-PIN selection

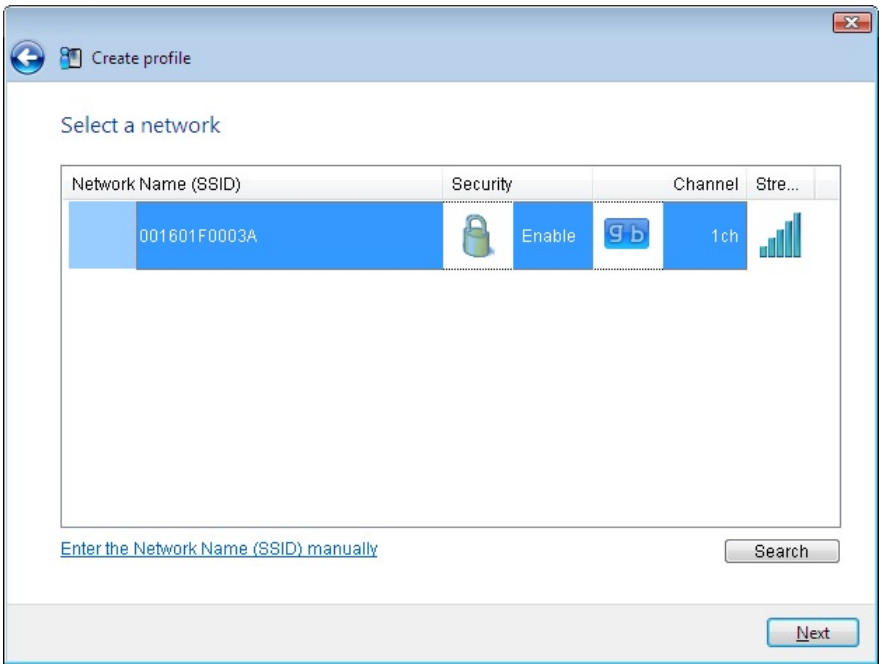
This screen lets you select whether to connect to an access point by specifying the SSID or by entering a WPS PIN.



Parameter	Meaning
Connect Manually	Specify SSID of an access point and configure connection settings. Click here to display the Searching Wireless Access Points screen (page 34).
Connect with WPS-PIN	Click this to connect to a wireless access point by entering its WPS PIN.

Searching Wireless Access Points

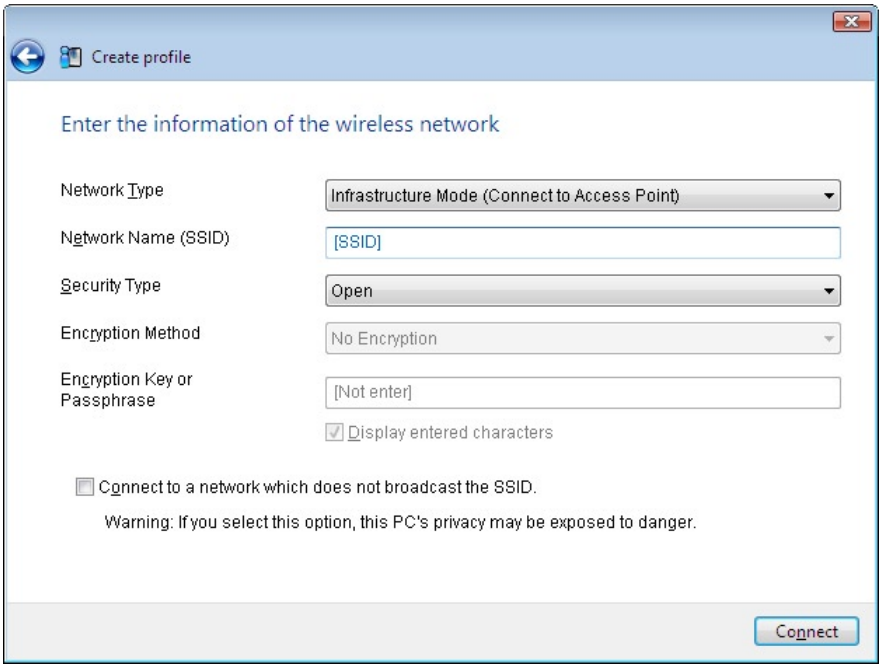
The screen to list available wireless access points in your area. You can select an access point and enter network information manually to connect.



Parameter	Meaning
Network Name (SSID)	Displays the SSID of each available access point.
Security	Displays whether or not the access point uses encryption.
Channel	Displays the wireless channel used by an access point.
Strength	Displays the signal strength of an access point.
Enter the Network Name (SSID) manually	Click this to enter an SSID manually and display the Wireless Network Information screen (page 35).
Search	Click here to search for available access points again.
Next	Click this to display the Wireless Network Information screen (page 35).

Wireless Network Information

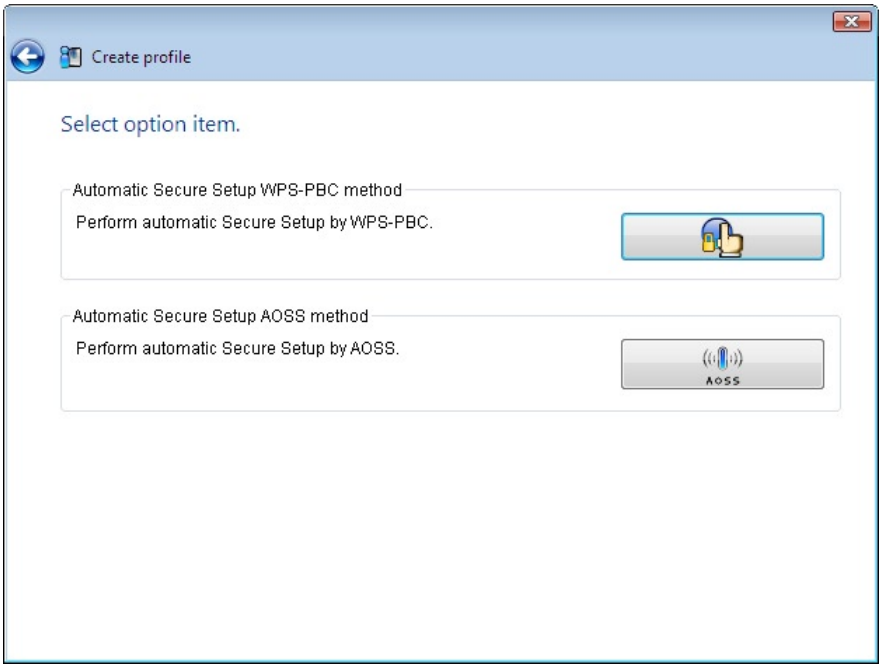
Configure wireless connection settings.



Parameter	Meaning
Network Type	Select a type of connection.
Network Name (SSID)	Enter the SSID of an access point.
Security Type	Select the security type of the selected access point.
Encryption Method	Select the encryption method of the selected access point.
Encryption Key or Passphrase	Enter the encryption key for the access point.
Connect to a network which does not broadcast the SSID	Check this box to connect to a hidden SSID that is not broadcast.
Connect	Connect to the access point.

WPS-PBC / AOSS selection

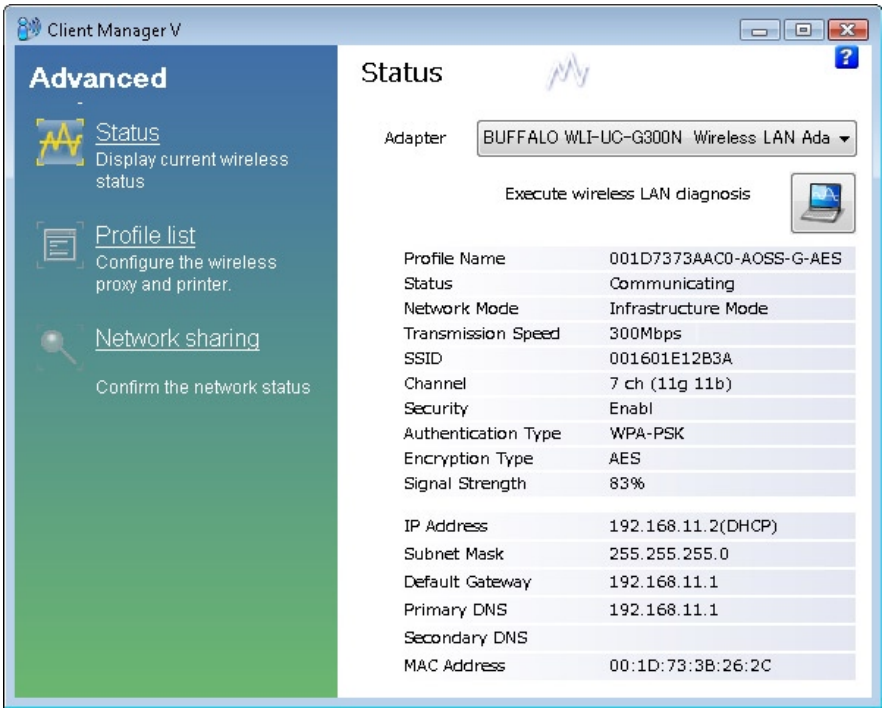
You may automatically connect to an access point by WPS (PBC) or AOSS.


Create profile
Select option item.
Automatic Secure Setup WPS-PBC method
Perform automatic Secure Setup by WPS-PBC.
Automatic Secure Setup AOSS method
Perform automatic Secure Setup by AOSS.
AOSS

Parameter	Meaning
Automatic Secure Setup WPS-PBC method	Click this to automatically connect to an access point that supports WPS (PBC).
Automatic Secure Setup AOSS method	Click this to automatically connect to an access point that supports AOSS.

Wireless Status

This screen displays the current connection status.



Parameter	Meaning
Adapter	Displays the name of the current wireless client.
Execute wireless LAN diagnostics	Opens the Wireless LAN Diagnoses wizard (page 39).
Profile Name	Displays the current profile name.
Status	Displays the current transmission status.
Network Mode	Displays the current network mode.
Transmission Speed	Displays the current transmission speed.
SSID	Displays SSID of the currently connected access point.
Channel	Displays the wireless channel currently used.

Parameter	Meaning
Security	Displays whether encryption is currently enabled or not.
Authentication Type	Displays the type of authenticaltion currently used.
Encryption Type	Displays the type of encryption currently used.
Signal Strength	Displays the current signal strength.
IP Address	Displays the IP address assigned to your wireless client.
Subnet Mask	Displays the subnet mask assigned to your wireless client.
Default Gateway	Displays the default gateway address.
Primary DNS	Displays the primary DNS address.
Secondary DNS	Displays the secondary DNS address.
MAC Address	Displays the MAC address of your wireless client.

Wireless LAN Diagnostic

On the Wireless LAN Diagnostic screen, you can check signal strength and quality.

Parameter	Meaning
Adapter	Displays the name of the wireless client currently in use.
Connection status	Displays signal strength (dBm), link rate (Mbps), and signal quality (%) in 1 minute intervals. There are the following restrictions. • Some items may not be displayed depending on your wireless device. • Signal strength and quality displays may vary depending on wireless devices. These graphs should not be used to compare different wireless devices. Use this information to check wireless status for the same wireless device.
Usage of each channel	The 11b/11g displays usage of each channel on 2.4 GHz. The 11a displays usage of W52/W53/W56 channel. (WLI-UC-AG300N only) The color expresses the signal strength of an access point. Closer to red means stronger signal, and closer to blue means weaker signal.

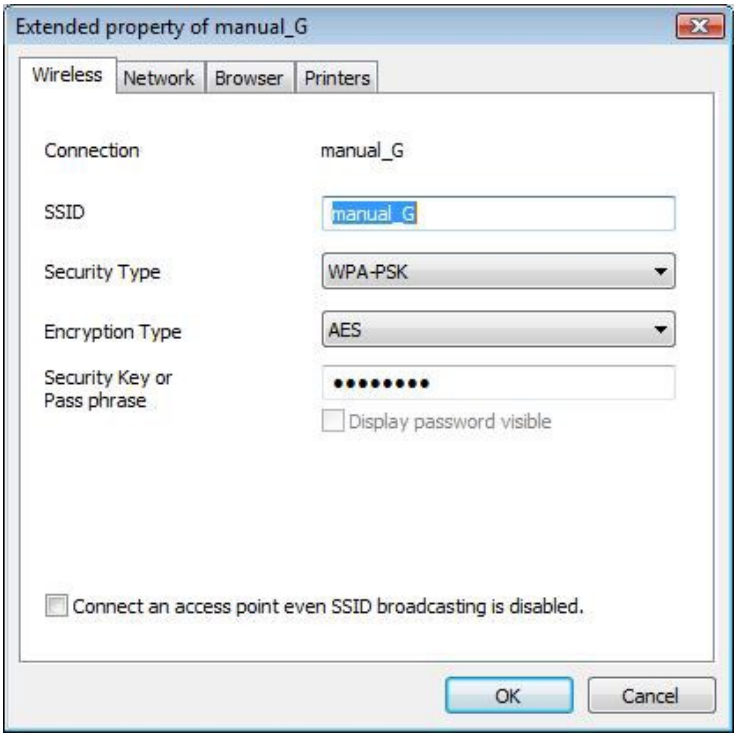
Profile List

Create a new profile or edit an existing profile.

Parameter	Meaning
Adapter	Displays the name of the wireless client which is currently used.
New	Create a new profile. Click this to display the Automatic Secure Setup and Advanced Setup screen (page 32).
Edit	Edit the selected profile. Click this to display the Extended properties (Wireless) screen (page 41).
Delete	Delete the selected profile.
Down	Lower the priority of the selected profile.
Up	Raise the priority of the selected profile.

Wireless Properties

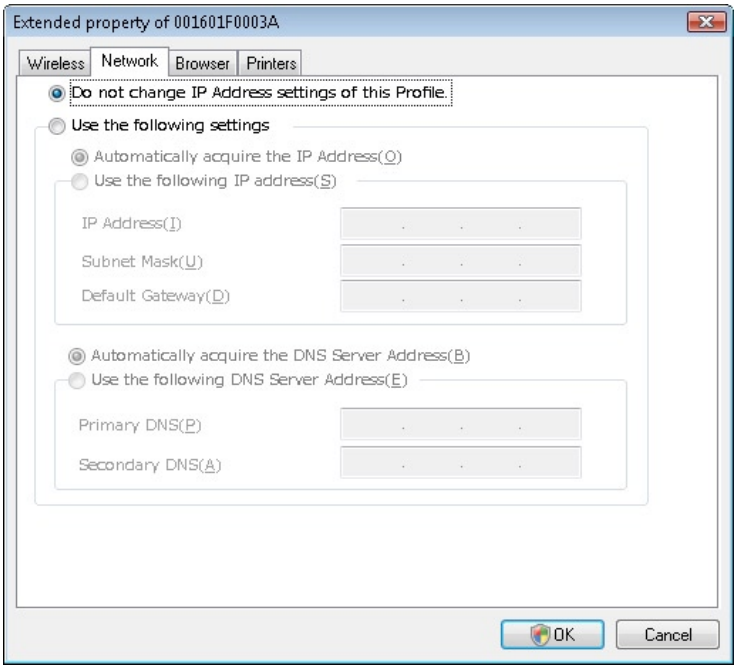
Current wireless settings.



Parameter	Meaning
Connection	Displays the current profile name.
SSID	Displays the SSID of the current connection.
Security Type	Displays the security type you are using for the current connection.
Encryption Type	Displays the encryption type you are using for the current connection.
Security key or Pass phrase	Displays the security key or pass phrase if "*Display password visible*" is checked.
Connect an access point even SSID broadcasting is disabled.	Check to connect to a wireless network that doesn't broadcast its SSID.

Network Properties

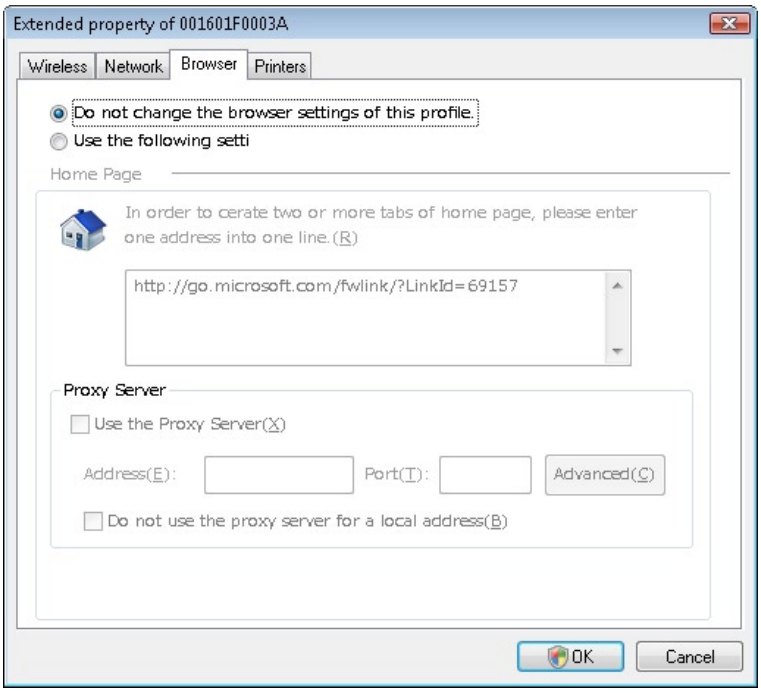
By default, your client's IP address is set automatically by DHCP. You may configure it manually from this screen.



Parameter	Meaning
Do not change IP Address settings of this Profile	Select to keep your current TCP/IP network setting without any changes. This is the recommended setting.
Use the following settings	Select this option to change your TCP/IP network settings. For expert users only.

Browser Properties

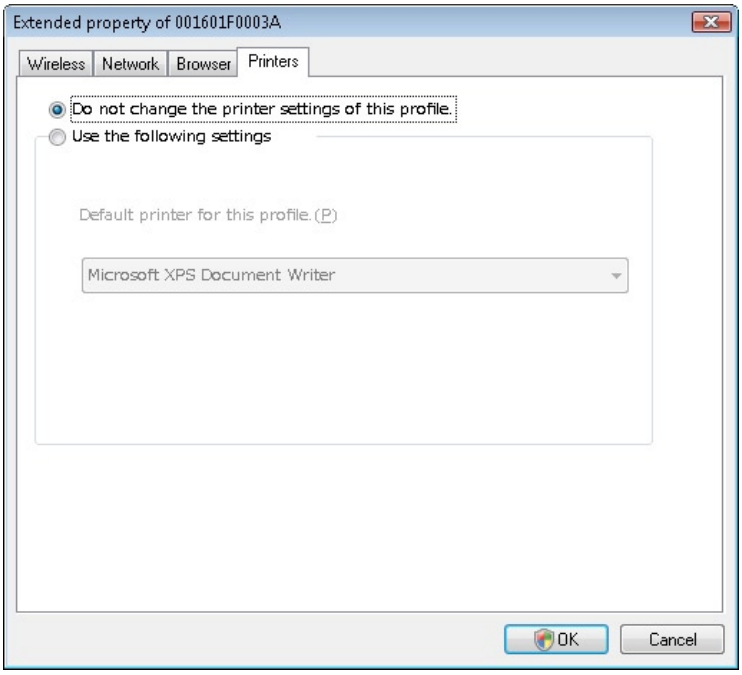
Configure Internet Explorer settings for wireless connections.



Parameter	Meaning
Do not change the browser settings of this Profile	Select to keep the current Internet Explorer settings.
Use the following settings	Select this option to configure the Internet Explorer Home Page and Proxy Server settings while connected wirelessly.

Printer Properties

Configure the printer used while connected to an access point wirelessly.



Parameter	Meaning
Do not change the printer settings of this Profile	Select to keep your current printer settings.
Use the following settings	Select to use a different default printer while connected wirelessly.

Using Client Manager 3 with Windows XP / 2000

- When you install Client Manager, it will be added to your Startup folder and will automatically start with Windows. To launch Client Manager manually, click "*Start*" > "*All Programs*" > "*BUFFALO*" > "*AirStation Utility*" > "*ClientManager3*" .
- Right click on the Client Manager icon in the system tray and click "*Exit*" to close Client Manager. The Client Manager icon will change appearance according to its connection status:

: No wireless client installed

: Not connected to an access point

: Transmitting to an access point with TKIP/AES encryption

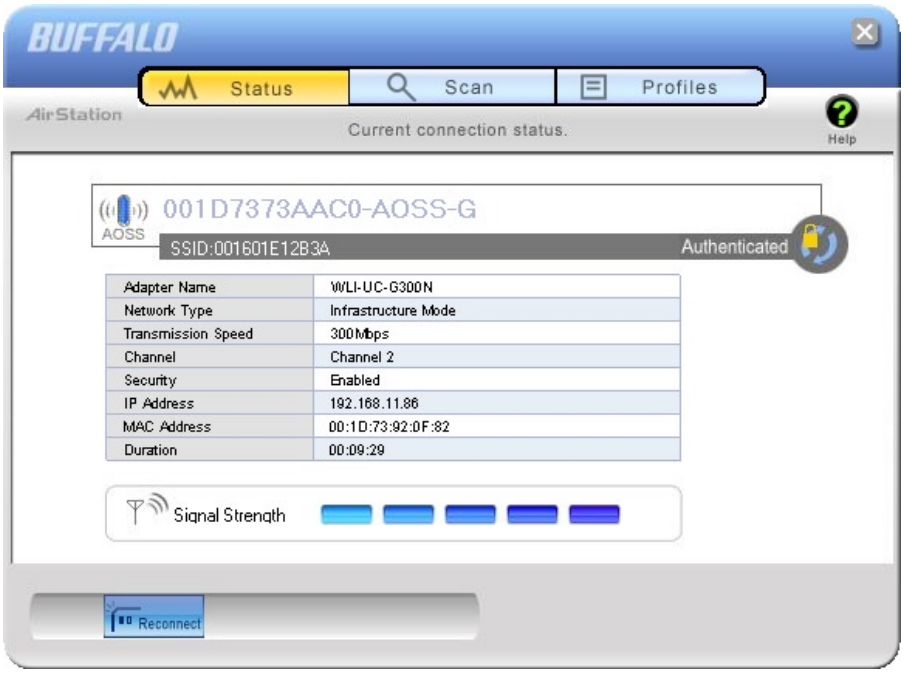
: Transmitting to an access point with WEP, or not encrypted

: Transmitting in ad-hoc mode (not supported with this wireless client)

: Authenticating

Status

The Status screen displays the current connection status.

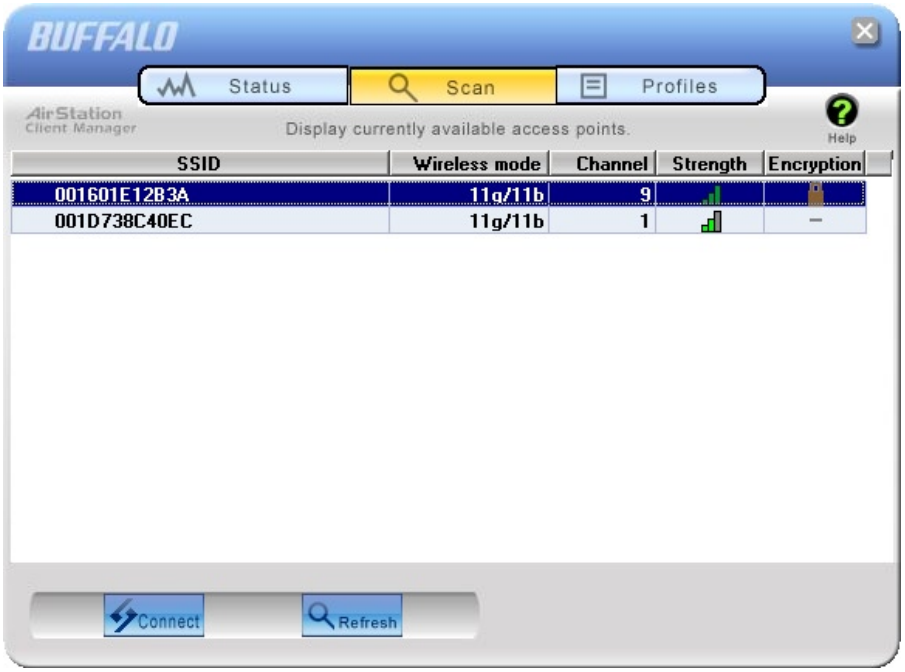


Parameter	Meaning
Profile	Current connection profile name.
SSID	SSID of the currently connected access point.
Adapter Name	Name ame of the wireless client currently in use.
Network Type	Current network mode.
Transmission Speed	Current transmission speed.
Channel	Current wireless channel.
Security	Displays whether security is currently enabled or not.
IP Address	The IP address assigned to this unit.

Parameter	Meaning
MAC Address	MAC address of this unit.
Duration	Elapsed duration of the current wireless connection.
Signal Strength	Current signal strength.
Reconnect	Click to reconnect the most recent connection.

Scan

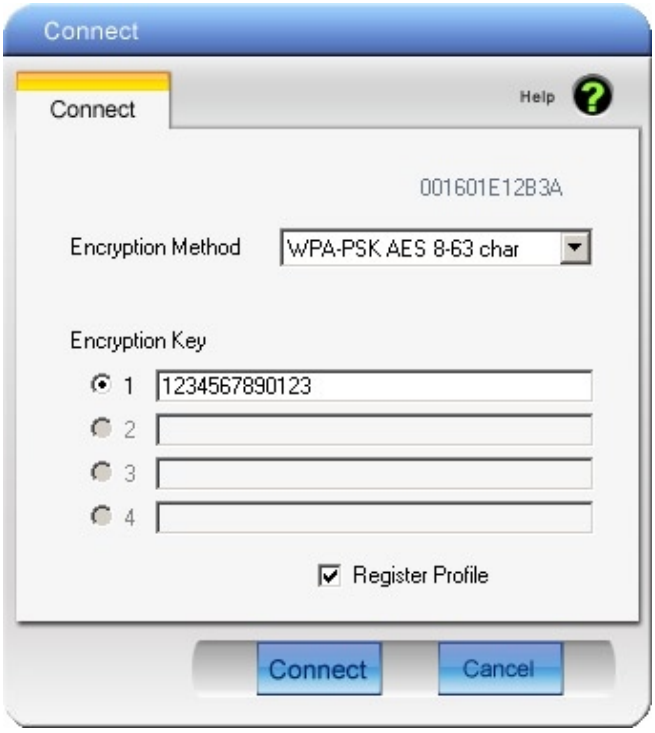
Scan and display nearby access points.



Parameter	Meaning
SSID	SSID of access point.
Wireless mode	Wireless type (such as 11a and 11g) of the access point.
Channel	Wireless channel of the access point.
Strength	Reception strength of each access point.
Encryption	Displays if security is used by the access point.
Connect	Click this to display the Connect screen (page 49).
Refresh	Click here to search for available access points again.

Connect

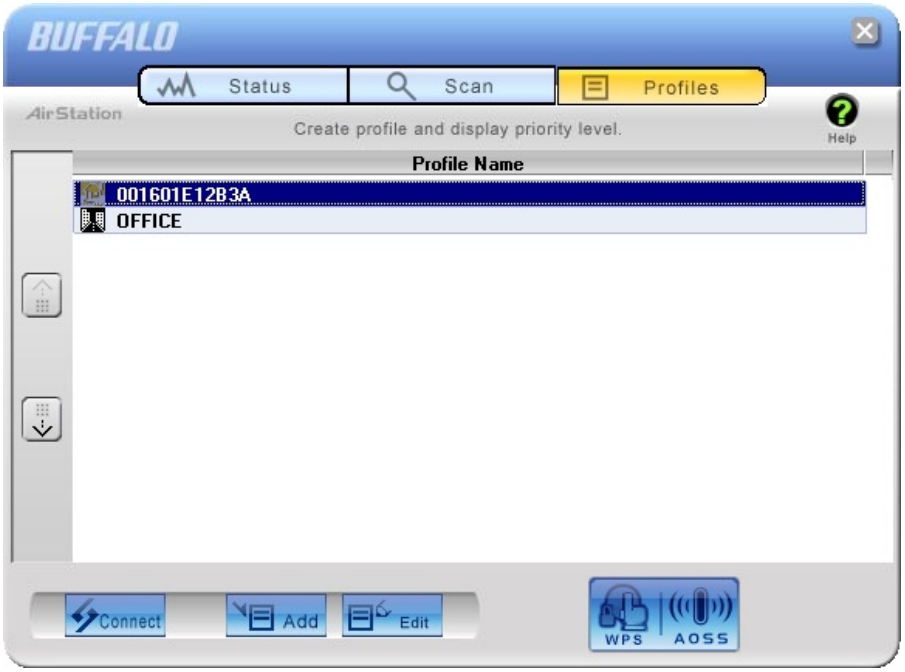
Configure connection to an access point.



Parameter	Meaning
Encryption Method	Type of encryption used by the access point.
Encryption Key	Enter the access point's encryption key (passphrase).
Register Profile	Check to register this connection as a profile.

Profiles

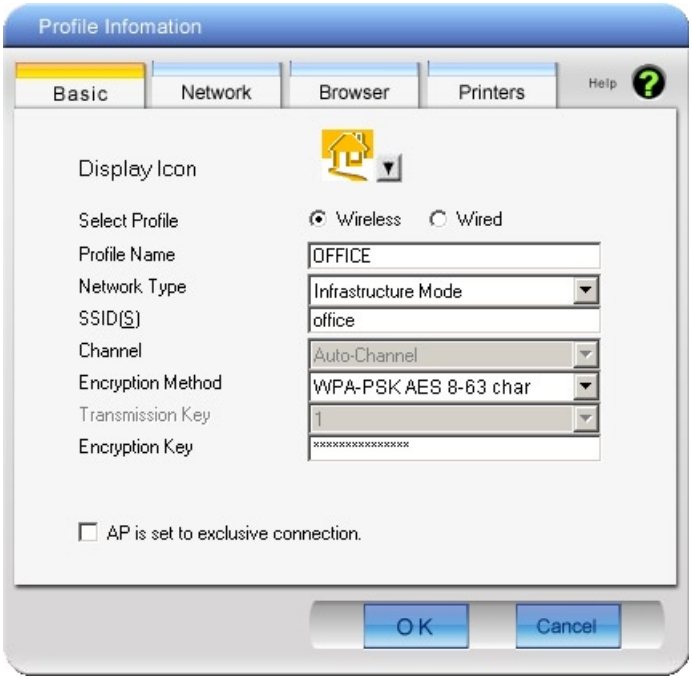
Connect to an access point or edit a profile.



Parameter	Meaning
Connect	Selecting a profile and clicking this button will connect to an access point using a stored profile.
Add	Click this to add a new profile. It will display the Profiles Information screen (page 51).
Edit	Click this to edit or delete information in a profile.
WPS AOSS	Click this button to have AOSS/WPS (PBC) automatically set security. After connection, a profile based on these settings will be created.
802.1x Profiles	This button is displayed when Client Manager is operating in Business Mode. Click to configure 802.1x authentication.

Profile Information (Basic)

Configure your profile settings.

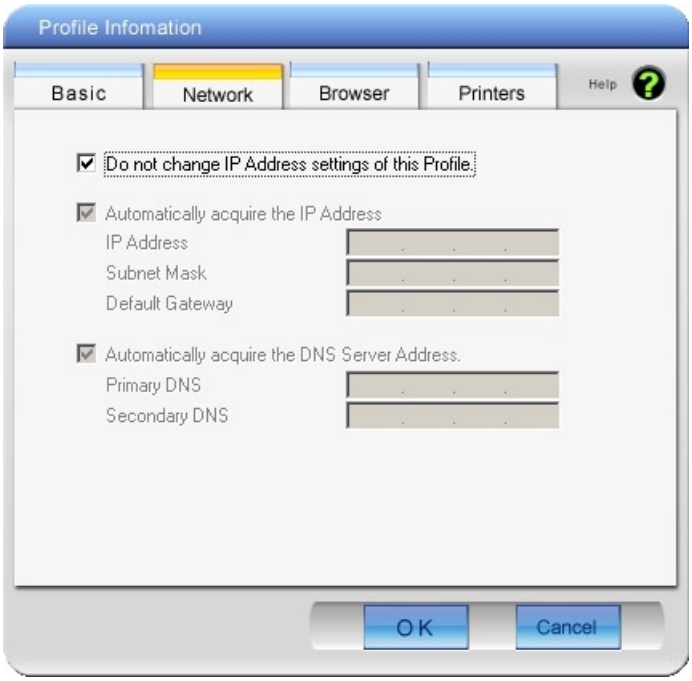


Parameter	Meaning
Display Icon	Select an icon to display on the profile from the list.
Select Profile	Connection may be wireless or wired (Ethernet). For use with the AirStation, select Wireless.
Profile Name	Enter a name for the profile.
Network Type	Select infrastructure mode to connect to an access point (recommended), or ad-hoc mode to connect directly to another wireless client.
SSID	Select the SSID of the wireless access point that the profile will connect to.
Channnel	Choose the wireless channel. In Infrastructure Mode, the channel is automatically configured.

Parameter	Meaning
Encryption Method	Select the encryption method used by the wireless access point.
Transmission Key	If WEP is used for the Encryption Method, 4 passphrases may be entered. Use of the first (at least) is recommended.
Encryption Key	Enter the encryption key (passphrase) for the access point.
AP is set to exclusive connection	Check if the access point's SSID is not broadcast.

Profile Information (Network)

The profile's IP address and subnet mask may be manually assigned.



Parameter	Meaning
Do not change IP Address settings of this Profile	Check to keep using current TCP/IP network settings.
Automatically acquire the IP Address	Check to automatically acquire the IP address from a DHCP server when connecting wirelessly.
Automatically acquire the DNS Server Address	Check to automatically aquire the DNS server address from a DHCP server when connecting wirelessly.

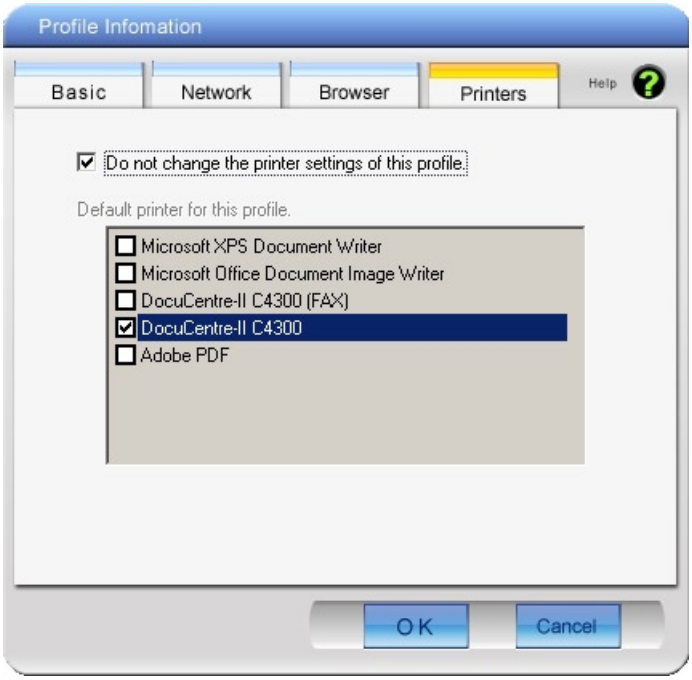
Profile Information (Browser)

Configure your Internet Explorer settings when connecting wirelessly.

Parameter	Meaning
Do not change the browser settings of this Profile	Check to use current Internet Explorer settings when connecting wirelessly. Uncheck to use any of the settings below.
Address to use as Home Page	To use a different home page in Internet Explorer when connecting wirelessly, enter it here.
Use the Proxy Server	To use a proxy server for Internet Explorer when connecting wirelessly, enter its IP address and a port number and check the box.
Do not use the proxy server for a local address	If checked, the proxy server will not be used for local addresses.

Profile Information (Printers)

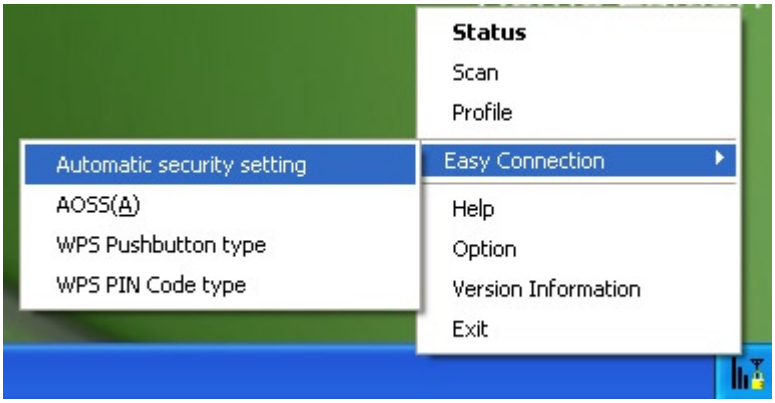
Configure the printer that your computer uses when connected wirelessly.



Parameter	Meaning
Do not change the printer settings of this Profile	Select this option to use a different printer when connecting wirelessly.

System Tray Menu

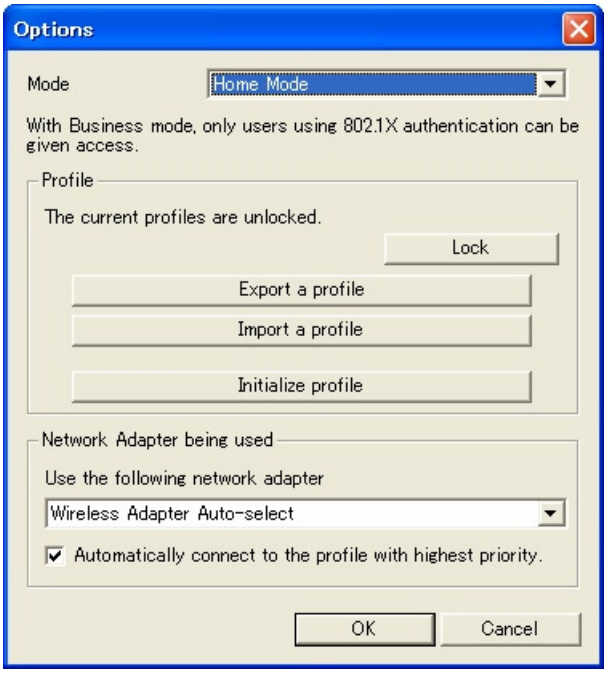
Right-click on the Client Manager icon in the system tray to display the following choices.



Parameter	Meaning
Status	Displays the Status screen (page 46).
Scan	Displays the Scan screen (page 48).
Profile	Displays the Profiles screen (page 50).
Easy Connection	Runs Automatic Secure Setup, using one of the following connection methods: AOSS, WPS(PBC), or WPS(PIN).
Help	Displays Client Manager Help.
Option	Displays the Options menu screen (page 57).
Version Information	Displays Client Manager version information.
Exit	Exits Client Manager.

Option Menu

Configure Client Manager options.



Parameter	Meaning
Mode	Switch between Client Manager's operating modes. If you select "*Business Mode*", the button to configure 802.1x authentication appears on the Profiles screen (Page 50). "*Home Mode*" is recommended.
Lock	If you click this, you will not be able to add new profiles or edit existing profiles. To lock or unlock, enter the password (8 - 63 characters).
Export a profile	Click this to save the currently registered profile information. To save profile information, enter the password (8 - 63 characters).
Import a profile	Click this to import a saved profile into Client Manager. You'll need to enter the password for the profile to continue.

Parameter	Meaning
Initialize profile	Click this to initialize profile information. Before initializing profile information, unlock the unit.
Use the following network adapter	Select a network adaptor to use in Client Manager. "*Wireless Adapter Auto-select*" is recommended for most users.
Automatically connect to the profile with highest priority	If checked, it will attempt to connect to the profile with highest priority as assigned on the Profile screen (page 50). Checked is recommended for most users.

Chapter 5
Trouble Shooting

The Computer does not recognize the Wireless Adapter.

- Make sure this unit is connected to a USB port on your computer.
- If your computer has multiple USB ports, connect to a different USB port.
- Refer to page 6 "Install Wireless Drivers", and reinstall drivers for this unit.

Cannot connect to the network wirelessly.

- Refer to chapter 3 to connect this unit to an access point wirelessly.
- Configure the same SSID, encryption method, and encryption key for each wireless device. These settings must match those of your wireless access point.
- move your wireless devices closer to the access point.
- Restart your access point.

You forgot the AP's SSID, Encryption KEY, or Password.

Try to connect wirelessly with AOSS or WPS (PBC) if your access point supports either of them (page 14).

Ask your network administrator for SSID and encryption settings if the access point does not support AOSS/WPS (PBC).

The link speed is slower than 300 Mbps (Maximum link speed is only 144Mbps).

The default setting for 300 Mbps mode on the AirStation is “off”. Refer to "300 Mbps Mode settings" on page 63 to turn on 300 Mbps mode.

Other Tips

Issue:

When using the Windows wireless connection manager, I cannot connect to my wireless router. I receive a "*Cannot configure wireless network*" error message when scanning for available wireless networks.

Answer:

Another wireless client software may be installed on your computer that is taking control of the wireless client adapter away from the Windows connection manager. Either switch to the other software or use Add/Remove Programs to remove the conflicting client software. After rebooting, the Windows connection manager should be able to connect to the available wireless networks.

Issue:

When I attempt to connect to my wireless router, I receive an error message indicating that security settings on my computer do not match the settings on the router.

Answer:

Manually enter the correct security key and encryption type into the Windows connection manager.

To enter the security key in Windows XP:

Go to the View Available Wireless Networks and select change Advanced Settings. Click on the Wireless Networks tab. There will be a list of networks to which you have previously connected. Highlight the network name (SSID) of the wireless router and select Properties. Enter the correct encryption key and select correct the encryption type as configured on the wireless router.

Go to the Connect to Network, right-click on the name of the network and click Properties. Highlight the name of your network and go to Properties. Enter the correct encryption key and select correct the encryption type as configured on the wireless router.

Issue:

What can I do if my wireless connection drops randomly or seems slow?

Answer:

There are many environmental factors that may affect this behavior. First, ensure the issue is not range related by locating the wireless router and the client in closer proximity and check whether the connection drops continue.

In some cases, interference from other wireless networks or sources such as 2.4 GHz wireless phones may impact performance. To work around this scenario, change the wireless channel used by your wireless router.

Log in to the wireless router with your browser. Click on the "*Wireless Configuration*". If an "*Auto-Channel*" option is available, attempt to use this option to remedy the problem. If "*Auto-Channel*" is unavailable, manually select an alternate channel.

Issue:

Though I am able to successfully make a connection with my wireless router, I am unable to access the Internet with my web browser.

Answer:

First, power off the Cable or DSL modem, the wireless router, and then your computer. Pressing the power button or simply unplugging the devices can power off the modem and wireless router devices. Then after verifying that the modem is connected to the wireless router with a cable to the WAN port, power on the modem and wait two minutes. Turn on the wireless router and then the computer. Verify whether an Internet connection is available.

If, after these steps, an Internet connection is still unavailable, power off the Cable or DSL modem and computer again and directly connect your computer to the Cable or DSL modem with a cable between the computer and the port on the modem. Power on the modem and wait two minutes. Power on the computer and again check for an Internet connection.

If an Internet connection IS NOT available with a direct connection to the computer, please call the Internet Service Provider who installed the modem.

If an Internet connection IS available with a direct connection to the computer, please call our customer support line.

Issue:

Where can I download the latest drivers, firmware and instructions for my Buffalo wireless products?

Answer:

The latest drivers and firmware with installation instructions are available online at *www.buffalotech.com*

Appendix

300 Mbps Mode settings

By default, the AirStation's 300 Mbps mode is disabled. Use the following proceedure to enable it if desired.

1. Click "*Start*" > "*All Programs*" > "*BUFFALO*" > "*AirStation Utility*" > "*AirStation Bandwidth 20 or 40MHz Select Tool*" and launch the utility software.
   If you are using Windows Vista and see the message "*A program needs your permission to continue*", click "*Continue*".
2. When the message "*Now start the setup wizard of Bandwidth Select Tool*" is displayed, click "*Next*".
3. Click "*Next*".
4. When the message "*Select wireless adapter*" appears, select this unit and click "*Next*".
5. Select "*Use 300Mbps Mode (40MHz)*", and click "*Next*".
6. When the message "*Wireless adapter setting is completed*" is displayed, click "*Exit to setup*".

If you still cannot establish a 300 Mbps connection, check the settings for your access point.

Specifications

WLI-UC-AG300N

Wireless LAN Interface	
Standard Compliance	IEEE802.11a / IEEE802.11b / IEEE802.11g / IEEE802.11n (Draft 2.0)
Transmission Method	Direct Sequence Spread Spectrum (DSSS), OFDM, MIMO
Frequency Range	IEEE802.11a: 5,180 - 5,320MHz (Channels 36, 40, 44, 48, 52, 56, 60, 64) IEEE802.11b/g: 2,412 - 2,462MHz (Channels 1 - 11) IEEE802.11n (20MHz): 2,412 - 2,462MHz (Channels 1 - 11) 5,180 - 5,320MHz (Channels 36, 40, 44, 48, 52, 56, 60, 64) IEEE802.11n (40MHz): 2,422 - 2,462MHz (Channels 3 - 11) 5,190 - 5,310MHz (Channels 38, 46, 54, 62)
Transmission Rate	802.11a/b/g: 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2, 1Mbps 802.11n (Draft 2.0) 20MHz BW (LongGI) 130, 117, 104, 78, 52, 39, 26, 13Mbps (2stream) 65, 58.5, 52, 39, 26, 19.5, 13, 6.5Mbps (1stream) (ShortGI) 144.4, 130, 115.5, 86.7, 57.8, 43.3, 28.9, 14.4Mbps (2stream) 72.2, 65, 57.8, 43.3, 28.9, 21.7, 14.4, 7.2Mbps (1stream) 40MHz BW (LongGI) 270, 243, 216, 162, 108, 81, 54, 27Mbps (2stream) 135, 121.5, 108, 81, 54, 40.5, 27, 13.5Mbps (1stream) (ShortGI) 300, 270, 240, 180, 120, 90, 60, 30Mbps (2stream) 150, 135, 120, 90, 60, 45, 30, 15Mbps (1stream)
Access Mode	Infrastructure Mode
Security	WPA2 (TKIP/AES), WPA-PSK (TKIP/AES), 128/64bit WEP
Other	
Power Supply	5.0V Bus powered
Power Consumption	2500mW (Max)
Dimensions	27mm x 14mm x 96mm (1.1 x 0.6 x 3.8 inch)
Weight	27g (0.87ounces)
Operating Environment	0-40°C (32-104°F) , 20-80% (non-condensing)

WLI-UC-G300N / WLI-UC-G300N-V1

Wireless LAN Interface	
Standard Compliance	IEEE802.11b / IEEE802.11g / IEEE802.11n (Draft 2.0)
Transmission Method	Direct Sequence Spread Spectrum (DSSS), OFDM, MIMO
Frequency Range	2,412 - 2,462MHz (Channels 1 - 11)
Transmission Rate	802.11b/g: 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2, 1Mbps 802.11n (Draft 2.0) 20MHz BW (LongGI) 130, 117, 104, 78, 52, 39, 26, 13Mbps (2stream) 65, 58.5, 52, 39, 26, 19.5, 13, 6.5Mbps (1stream) (ShortGI) 144.4, 130, 115.5, 86.7, 57.8, 43.3, 28.9, 14.4Mbps (2stream) 72.2, 65, 57.8, 43.3, 28.9, 21.7, 14.4, 7.2Mbps (1stream) 40MHz BW (LongGI) 270, 243, 216, 162, 108, 81, 54, 27Mbps (2stream) 135, 121.5, 108, 81, 54, 40.5, 27, 13.5Mbps (1stream) (ShortGI) 300, 270, 240, 180, 120, 90, 60, 30Mbps (2stream) 150, 135, 120, 90, 60, 45, 30, 15Mbps (1stream)
Access Mode	Infrastructure Mode
Security	WPA2 (TKIP/AES), WPA-PSK (TKIP/AES), 128/64bit WEP
Other	
Power Supply	5.0V Bus powered
Power Consumption	2500mW (Max)
Dimensions	27mm x 14mm x 96mm (1.1 x 0.6 x 3.8 inch)
Weight	24g / 0.77ounces (WLI-UC-G300N) 20g / 0.65ounces (WLI-UC-G300N-V1)
Operating Environment	0-40°C (32-104°F), 20-80% (non-condensing)

Removing the device from the computer

Windows Vista/XP

If you use Windows Vista / XP, just unplug it.

Windows 2000

If you use Windows 2000, follow the procedure described below.

1. Click the icon ( ) displayed in the system tray.
2. Click "*Safely remove BUFFALO **** Wireless LAN Adapter*".
3. Click "*OK*".
4. Unplug this unit.

(**** is the model number of the device.)

Uninstalling the Software

To uninstall the software, follow the procedure described below.

1. Insert AirNavigator CD.
   When you insert CD, AirNavigator Setup Wizard will launch automatically.
   If AirNavigator Setup Wizard is not displayed, double click "*My Computer*" icon > CD-ROM drive icon > "*AirNavi.exe*".
2. Click "*Options*".
3. Click "*Uninstall software*".
4. Follow the insturctions on the screen to delete the Utility software.

Uninstalling the Drivers

To remove the AirStation wireless client drivers, follow the procedure described below.

1. Insert AirNavigator CD.
   When you insert CD, AirNavigator Setup Wizard will launch automatically.
   If AirNavigator Setup Wizard is not displayed, double click "My Computer" icon > CD-ROM drive icon > "AirNavi.exe".
2. Click "*Options*".
3. Click "*Remove Drivers*".
4. Follow the insturctions on the screen to remove drivers.

TCP/IP Settings in Windows

Windows Vista

To configure TCP/IP settings for Windows Vista, follow the procedure below.

1. Click *Start* > *Settings* > *Control Panel*.
2. Double-click "*Network and Sharing Center*".
3. Click "*Manage network connections*" on the left side menu.
4. Right-click on "*Local Area Connection*", then click "*Properties*".
5. When the message "*Windows needs your permission to continue*" appears, click "*Continue*".
6. Select "*Internet Protocol Version 4 (TCP/IPv4)*" then click "*Properties*".
7. Select "*Obtain an IP address automatically*" and "*Obtain DNS server address automatically*", and then click "*OK*".
8. Click "*Close*".

Windows XP/2000

To configure TCP/IP settings for Windows XP, follow the procedure below.

1. Click *Start* > *Settings* > *Control Panel*.
2. Double click "*Network*".
3. Right click on "*Local Area Connection*", then click "*Properties*".
4. Select "*Internet Protocol (TCP/IP)*", then click "*Properties*".
5. Select "*Obtain an IP address automatically*" and "*Obtain DNS server address automatically*", and then click "*OK*".
6. Click "*Close*".

Compliance Information

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and possibly radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
((WLI-UC-AG300N only))For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment.

Important Note - FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

SAR compliance has been established in typical laptop computer(s) with USB slot, and product could be used in typical laptop computer with USB slot. Other application like handheld PC or similar device has not been verified and may not comply with related RF exposure rule and such use shall be prohibited.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

((WLI-UC-AG300N only)) WLI-UC-AG300N with printed type antenna and max. antenna gain is 4 dBi in 5G and -0.3 dBi in 2.4G.

FCC ID:

WLI-UC-G300N: FDI-09102067-0 / WLI-UC-G300N-V1: FDI-09102067-1

Industry Canada Statement:

((WLI-UC-G300N / WLI-UC-G300N-V1 only)) This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Important Note - Radiation Exposure Statement:

((WLI-UC-G300N / WLI-UC-G300N-V1 only)) This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with IC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

Europe - EU Declaration of Conformity:

((WLI-UC-AG300N only))

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC.

• EN60950-1:2006

Safety of Information Technology Equipment

• EN50361 : (2001-07)

Basic standard for the measurement of specific absorption rate related to human exposure to electromagnetic fields from mobile phones (300 MHz-3 GHz)

• EN50392 : (2004-01)

Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)

• EN 300 328 V1.7.1: (2006-10)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

• EN 301 893 V1.4.1: (2007-07)

Broadband Radio Access Networks (BRAN);5 GHz high performance RLAN;Harmonized EN covering essential requirementsof article 3.2 of the R&TTE Directive

• EN 301 489-1 V1.6.1: (2005-09)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

• EN 301 489-17 V1.2.1 (2002-08)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

((WLI-UC-G300N only))

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC.\

• EN 60950-1: 2001 A11: 2004

Safety of Information Technology Equipment

• EN50360: (2001-07)

Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz - 3 GHz).

• EN 300 328 V1.6.1 (2004-11)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

• EN50361: (2001-07)

Basic standard for the measurement of specific absorption rate related to human exposure to electromagnetic fields from mobile phones (300 MHz-3 GHz).

• EN 301 489-1 V1.6.1: (2005-09)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

• EN 301 489-17 V1.2.1: (2002-08)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

((WLI-UC-G300N-V1 only))

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

•EN60950-1: (2006)

Safety of Information Technology Equipment

•EN 62311 : (2008)

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)

•EN 300 328 V1.7.1: (2006-10)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

•EN 301 489-1 V1.8.1: (2008-04)

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility

(EMC) standard for radio equipment and services; Part 1: Common technical requirements

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain an authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF ourput power may be limited to 10 mW EIRP in the frequency range of 2454 - 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

•EN 301 489-17 V1.3.2 (2008-04)

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for 2,4 GHz wideband transmission systems, 5 GHz high performance RLAN equipment and 5,8 GHz Broadband Data Transmitting Systems

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 – 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

CE 0560 ⓘ

Česky [Czech]
Buffalo Technology Inc. tímto prohlašuje, že tento AirStation WLI-UC-G300N(-V1) / AG300N je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Dansk [Danish]
Undertegnede Buffalo Technology Inc. erklærer herved, at følgende udstyr AirStation WLI-UC-G300N(-V1) / AG300N overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Deutsch [German]
Hiermit erklärt Buffalo Technology Inc. dass sich das Gerät AirStation WLI-UC-G300N(-V1) / AG300N in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

Eesti [Estonian]
Käesolevaga kinnitab Buffalo Technology Inc. seadme AirStation WLI-UC-G300N(-V1) / AG300N vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

English
Hereby, Buffalo Technology Inc. declares that this AirStation WLI-UC-G300N(-V1) / AG300N is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Español [Spanish]
Por medio de la presente Buffalo Technology Inc. declara que el AirStation WLI-UC-G300N(-V1) / AG300N cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Ελληνική [Greek]
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Buffalo Technology Inc. ΔΗΛΩΝΕΙ ΟΤΙ AirStation WLI-UC-G300N(-V1) / AG300N ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Français [French]
Par la présente Buffalo Technology Inc. déclare que l'appareil AirStation WLI-UC-G300N(-V1) / AG300N est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Italiano [Italian]
Con la presente Buffalo Technology Inc. dichiara che questo AirStation WLI-UC-G300N(-V1) / AG300N è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Latviski [Latvian]
Ar šo Buffalo Technology Inc. deklarē, ka AirStation WLI-UC-G300N(-V1) / AG300N atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Lietuvių [Lithuanian]
Šiuo Buffalo Technology Inc. deklaruoja, kad šis AirStation WLI-UC-G300N(-V1) / AG300N atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Nederlands [Dutch]
Hierbij verklaart Buffalo Technology Inc. dat het toestel AirStation WLI-UC-G300N(-V1) / AG300N in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Malti [Maltese]
Hawnhekk, Buffalo Technology Inc. , jiddikjara li dan AirStation WLI-UC-G300N(-V1) / AG300N jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Magyar [Hungarian]
Alulírott, Buffalo Technology Inc. nyilatkozom, hogy a AirStation WLI-UC-G300N(-V1) / AG300N megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.

Polski [Polish]
Niniejszym, Buffalo Technology Inc. , deklaruję, że AirStation WLI-UC-G300N(-V1) / AG300N spełnia wymagania zasadnicze oraz stosowne postanowienia zawarte Dyrektywie 1999/5/EC.

Português [Portuguese]
Buffalo Technology Inc. declara que este AirStation WLI-UC-G300N(-V1) / AG300N está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Slovensko [Slovenian]
Buffalo Technology Inc. izjavlja, da je ta AirStation WLI-UC-G300N(-V1) / AG300N v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Slovensky [Slovak]
Buffalo Technology Inc. týmto vyhlasuje, že AirStation WLI-UC-G300N(-V1) / AG300N spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Suomi [Finnish]
Buffalo Technology Inc. vakuuttaa täten että AirStation WLI-UC-G300N(-V1) / AG300N tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Svensk [Swedish]
Härmed intygar Buffalo Technology Inc. att denna AirStation WLI-UC-G300N(-V1) / AG300N står
I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som
framgår av direktiv 1999/5/EG.

NCC statement:

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Environmental Information

- The equipment that you have purchased has required the extraction and use of natural resources for its production.
- The equipment may contain hazardous substances that could impact health and the environment.
- In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems.
- The take-back systems will reuse or recycle most of the materials of your end life equipment in a sound way.
- The crossed-out wheeled bin symbol invites you to use those systems.

- If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration.

Warranty Information

Buffalo Technology (Buffalo Inc.) products come with a two-year limited warranty from the date of purchase. Buffalo Technology (Buffalo Inc.) warrants to the original purchaser the product; good operating condition for the warranty period. This warranty does not include non-Buffalo Technology (Buffalo Inc.) installed components. If the Buffalo product malfunctions during the warranty period, Buffalo Technology/(Buffalo Inc.) will, replace the unit, provided the unit has not been subjected to misuse, abuse, or non-Buffalo Technology/(Buffalo Inc.) authorized alteration, modifications or repair.

All expressed and implied warranties for the Buffalo Technology (Buffalo Inc) product line including, but not limited to, the warranties of merchantability and fitness of a particular purpose are limited in duration to the above period.

Under no circumstances shall Buffalo Technology/(Buffalo Inc.) be liable in any way to the user for damages, including any lost profits, lost savings or other incidental or consequential damages arising out of the use of, or inability to use the Buffalo products.

In no event shall Buffalo Technology/(Buffalo Inc.) liability exceed the price paid for the product from direct, indirect, special, incidental, or consequential damages resulting from the use of the product, its accompanying software, or its documentation. Buffalo Technology (Buffalo Inc.) does not offer refunds for any product.

@ 2003-2009 Buffalo Technology (Buffalo, Inc.)

Contact Information (USA / Canada)

Buffalo Technology USA Inc.
11100 Metric Blvd, Suite 750
Austin, TX 78758-4018

GENERAL INQUIRIES

Monday through Friday
8:30am-5:30pm CST
Direct: 512-794-8533 | Toll-free: 800-456-9799
Fax: 512-794-8520 |
Email: sales@buffalotech.com

TECHNICAL SUPPORT

North American Technical Support by phone is available 24 hours a day, 7 days a week. (USA and Canada).
Toll-free: (866) 752-6210
Email: info@buffalotech.com

Contact Information (Europe)

Buffalo Technology UK LTD
176 Backingham Avenue, Slough, Berkshire, SL1 4RD
United Kingdom

GENERAL INQUIRIES

Email: sales@buffalo-technology.com

TECHNICAL SUPPORT

Buffalo Technology provides technical support in English, German, French, Italian, and Spanish.

Hours:

9:00 am - 7:00 pm Monday - Friday (GMT)
9:00 am - 5:00 pm Saturday (GMT)

UK	0845 3511005
Austria	08101 0251552
Belgium	0787 99917
Denmark	70150919
Finland	010802812
France	0811 650220
Germany	01801 003757
Ireland	1890 719901
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Thailand	TEL: 02-716-6669
Other Areas	Please contact the shop or distributor where you purchased the unit, referring to the attached warranty card issued by the distributor.